

FIG. 1

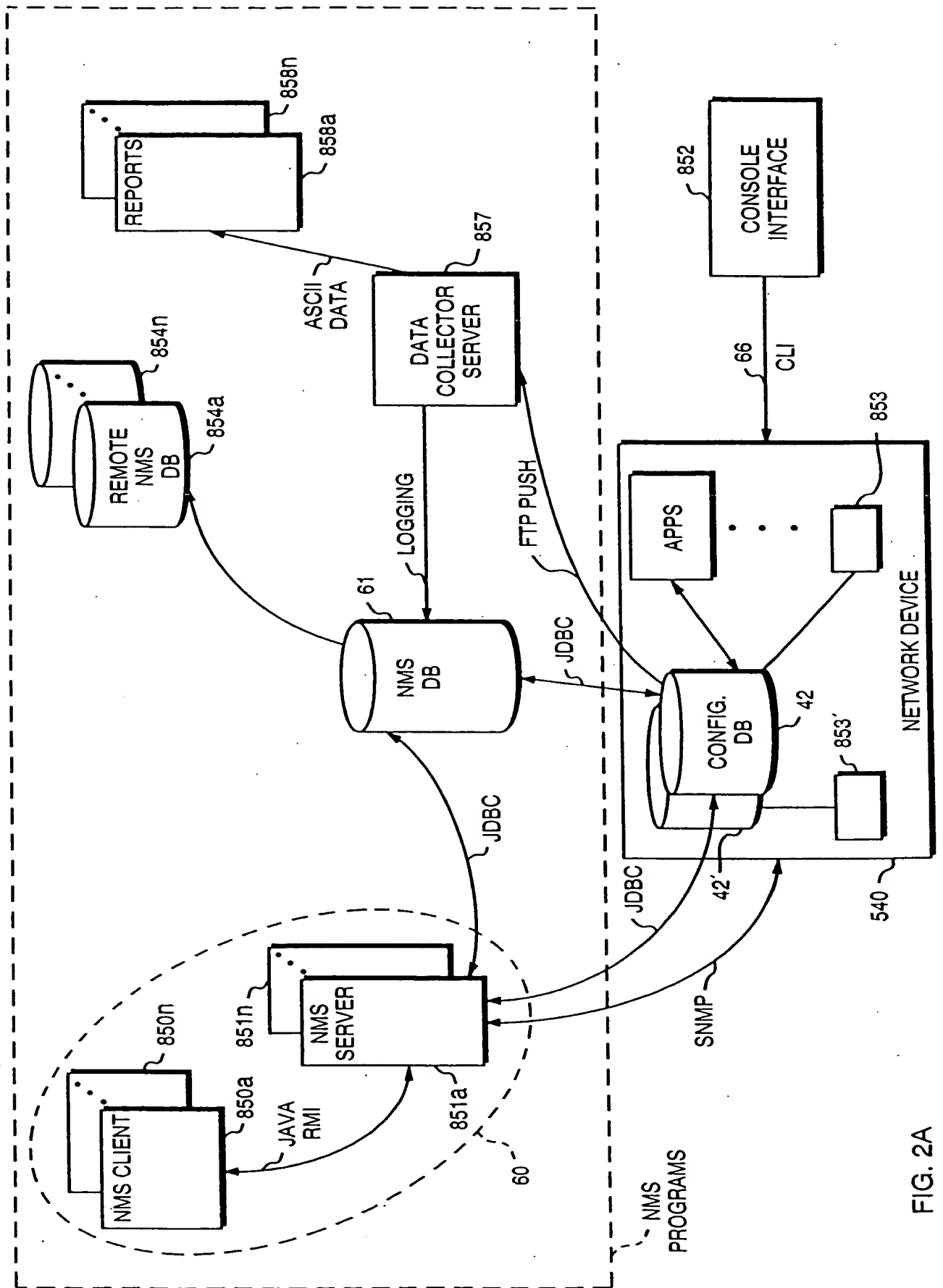
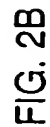


FIG. 2A



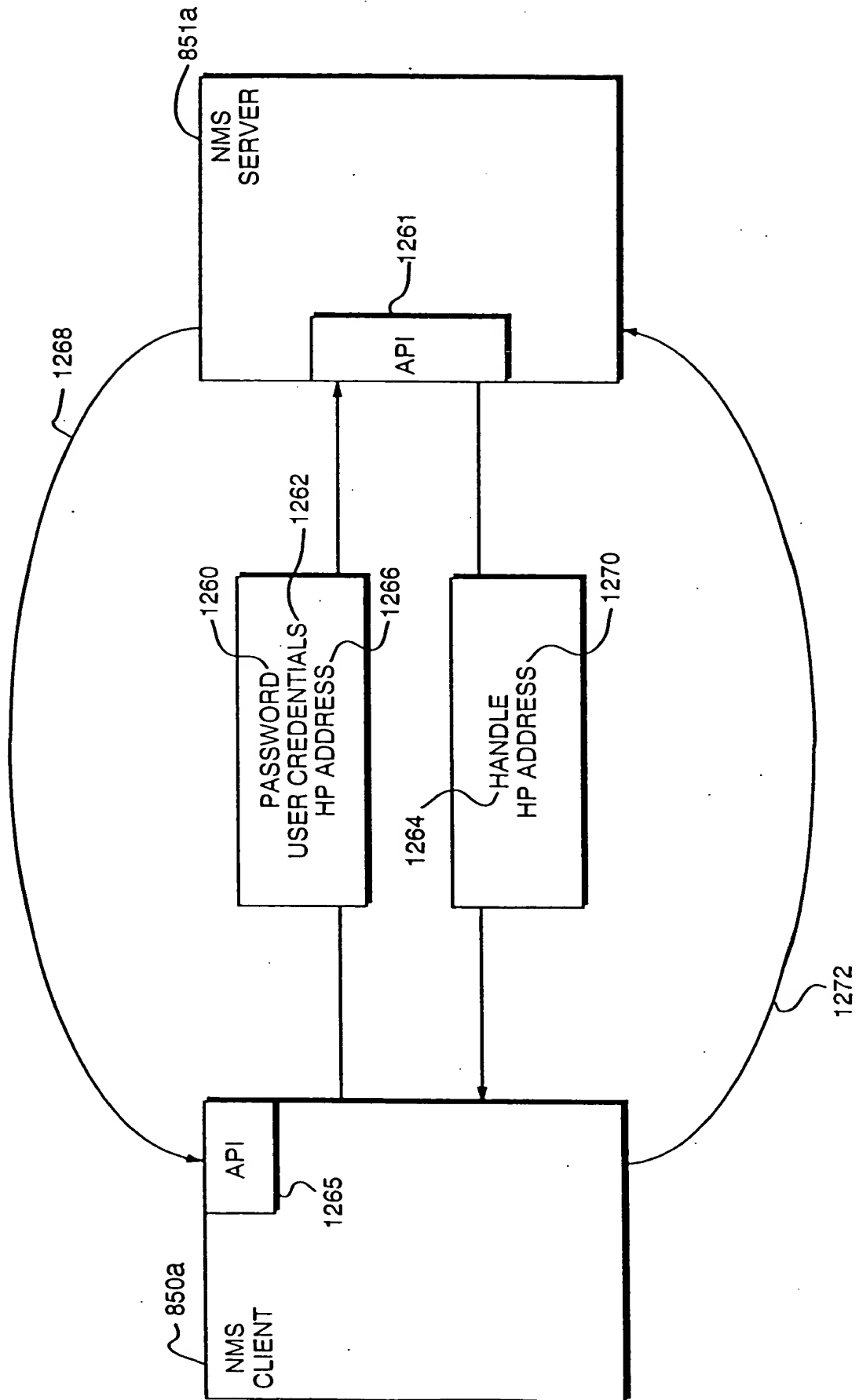


FIG. 2C

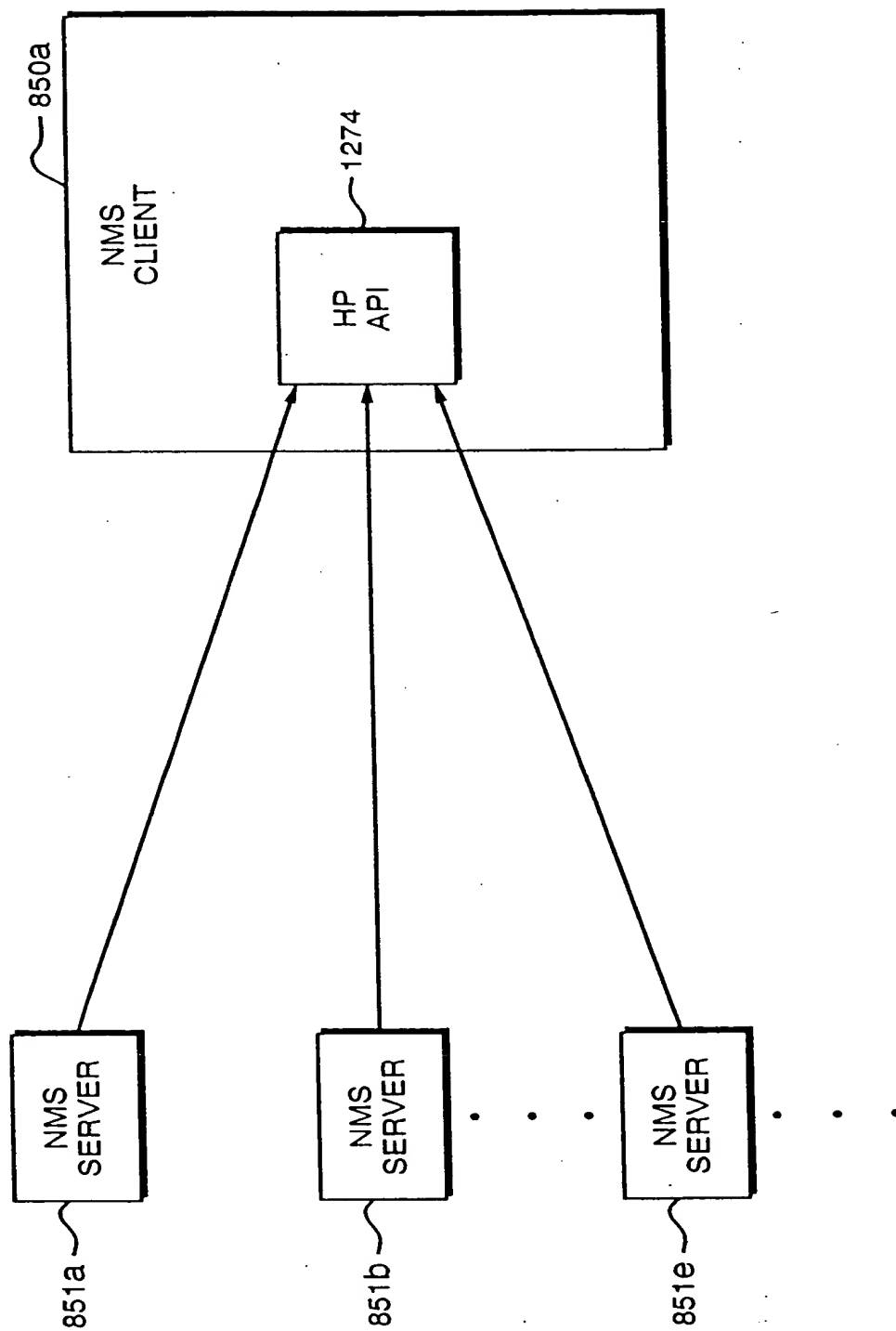


FIG. 2D



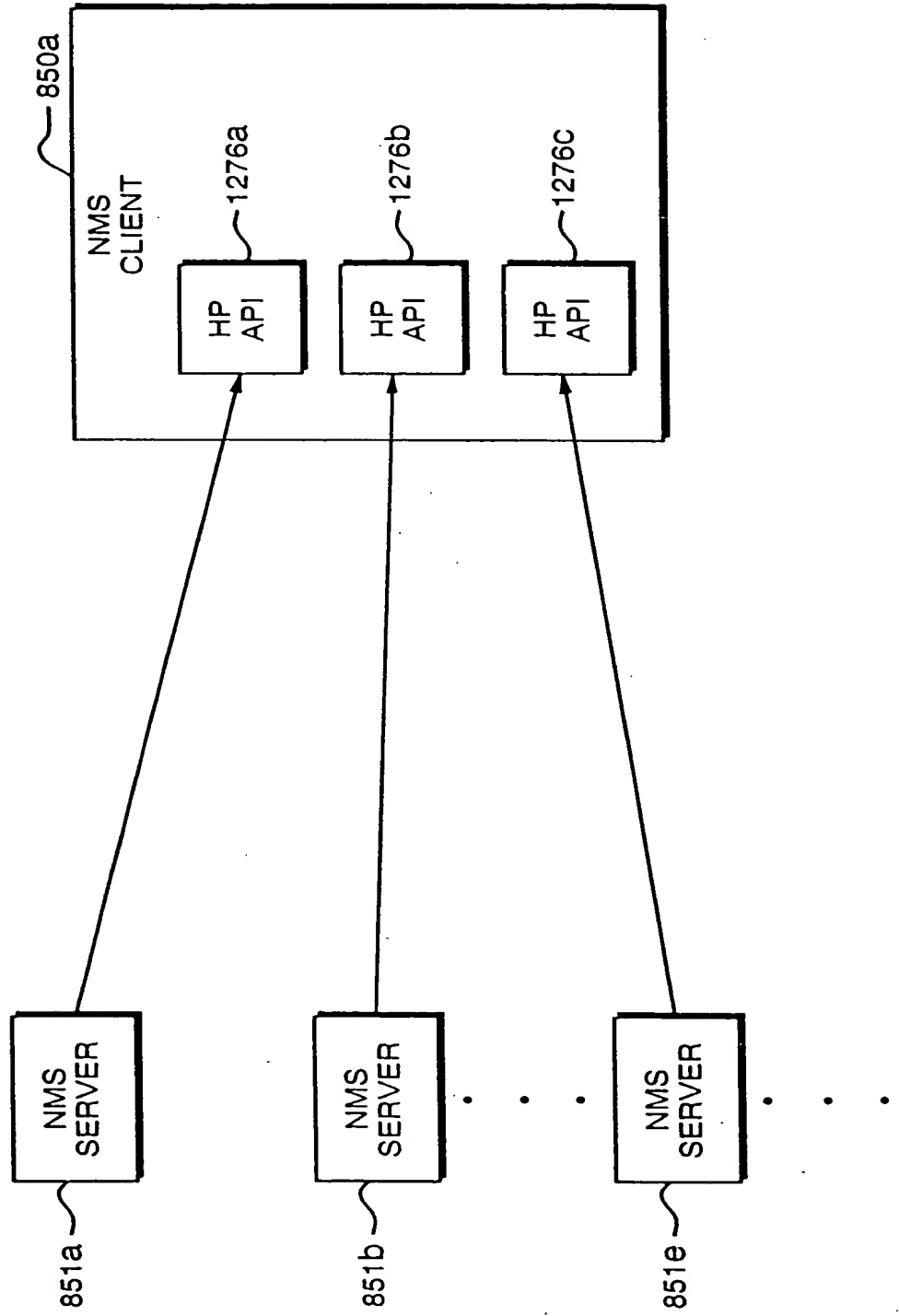


FIG. 2E



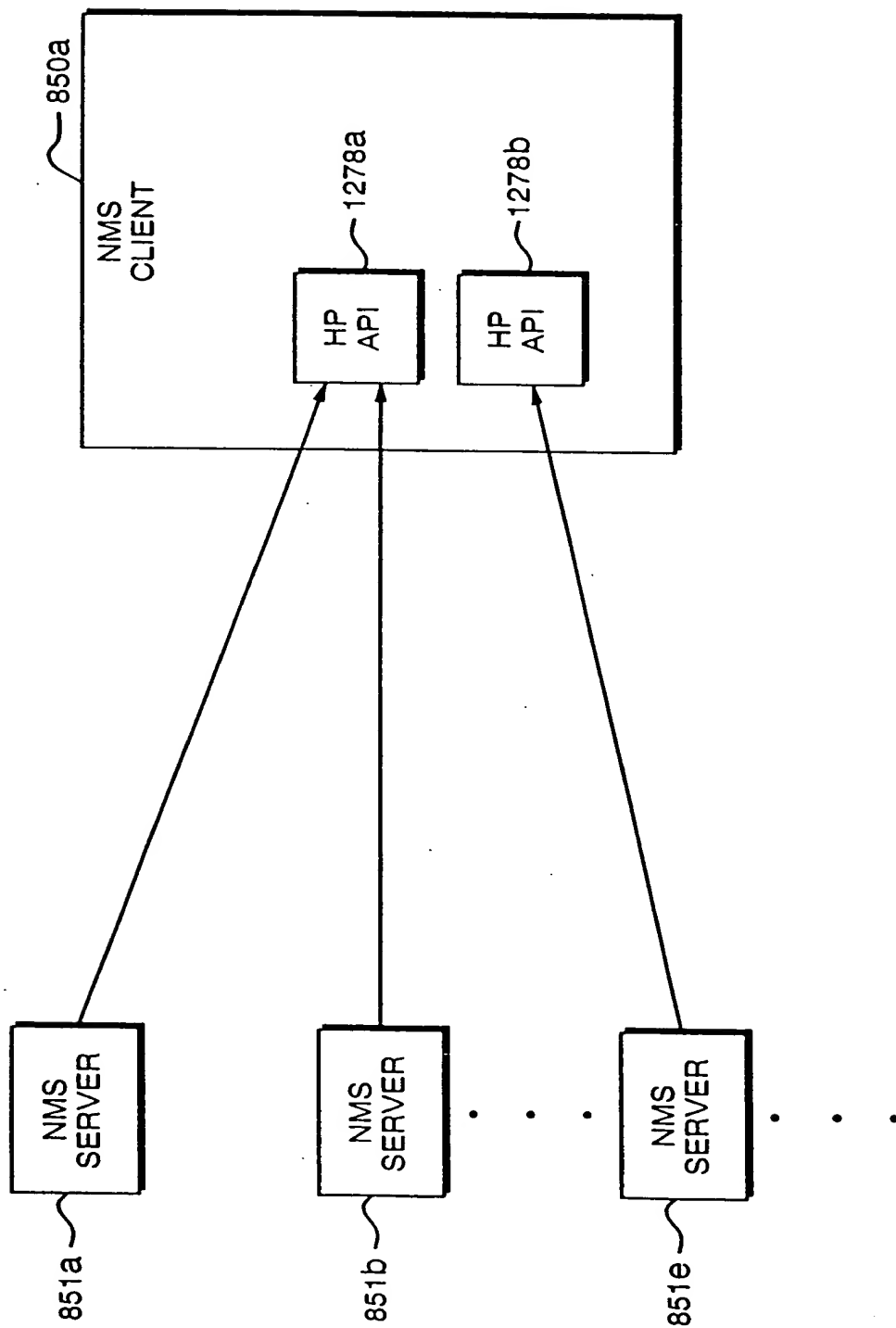


FIG. 2F

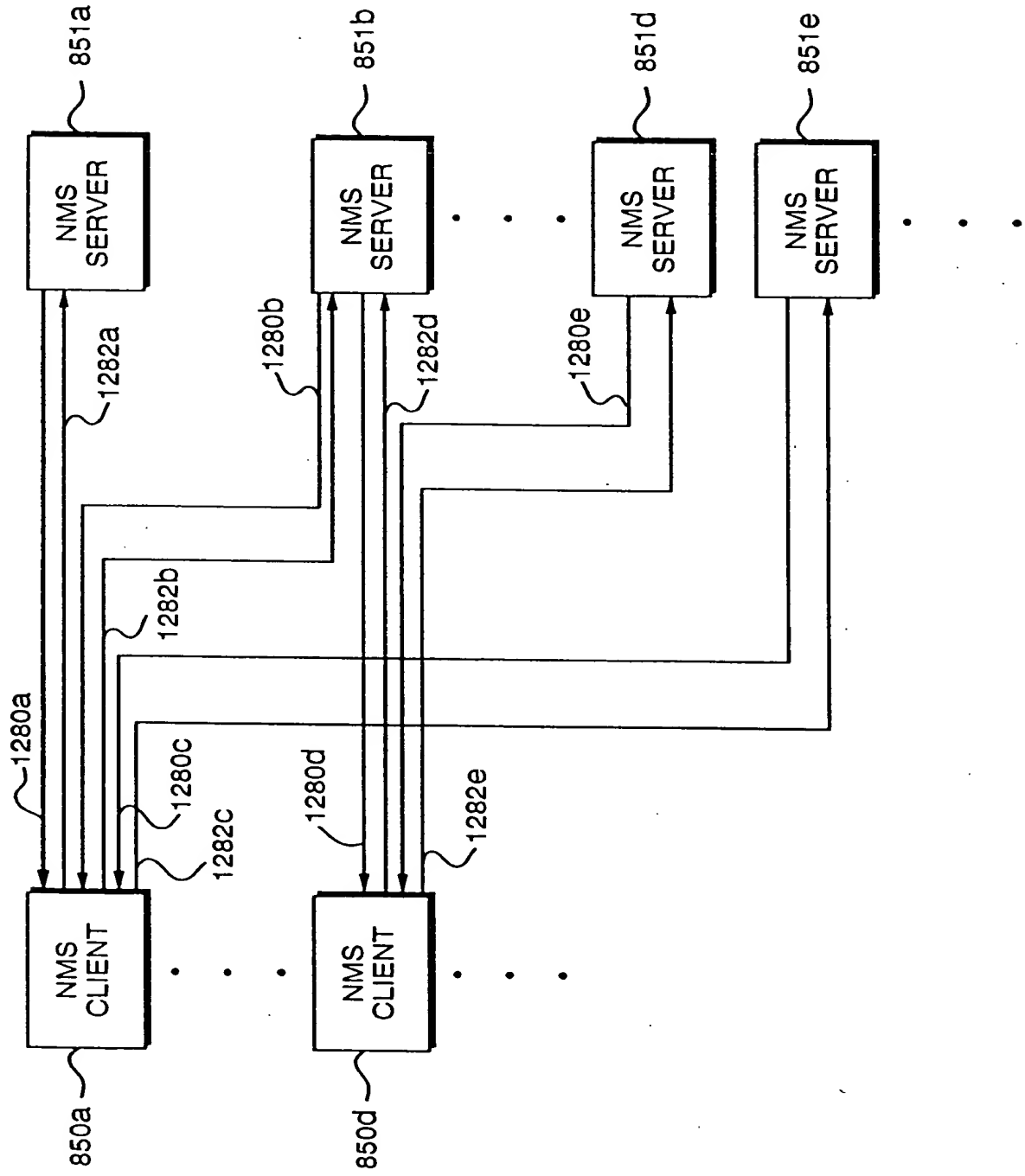


FIG. 2G



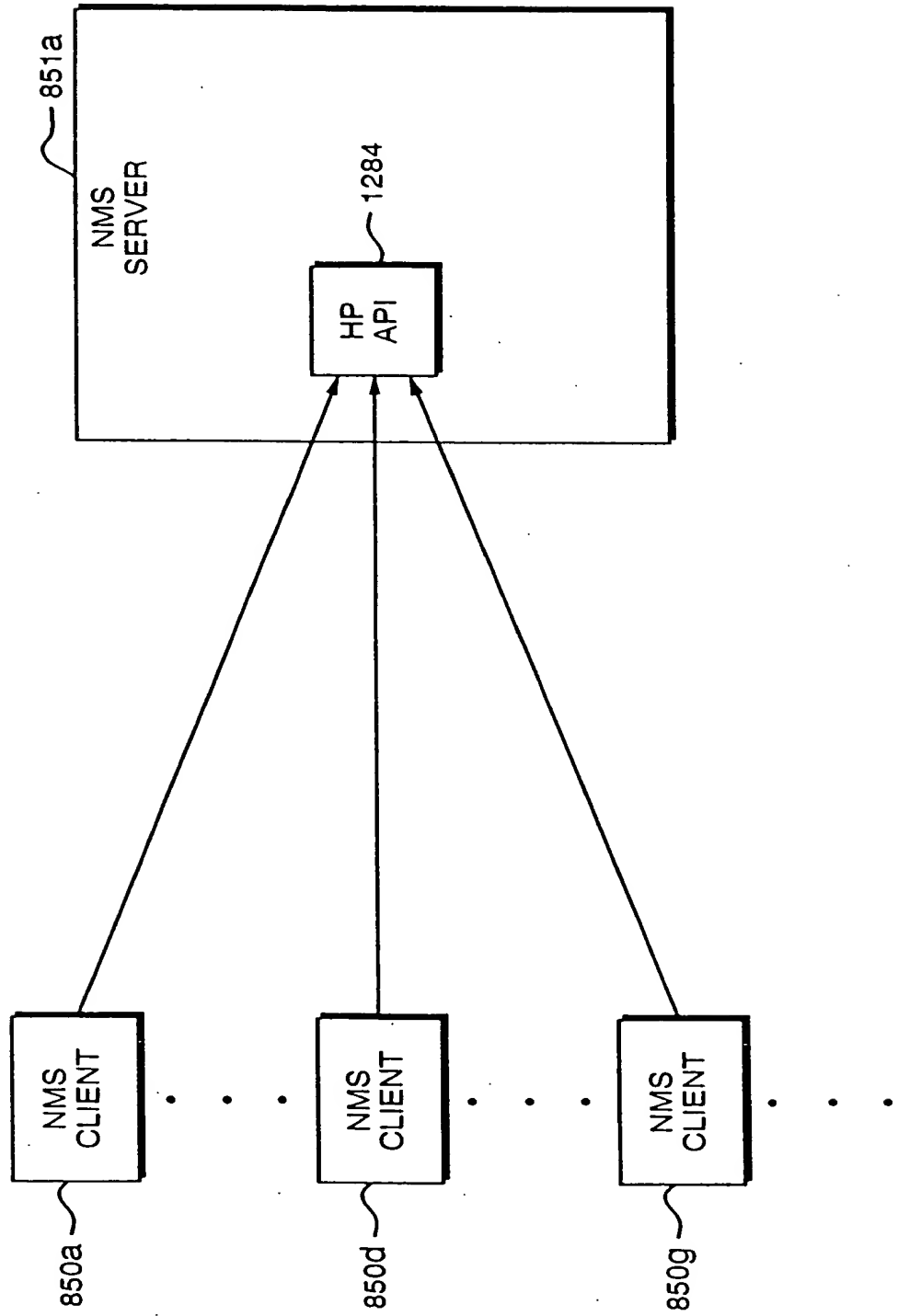


FIG. 2H



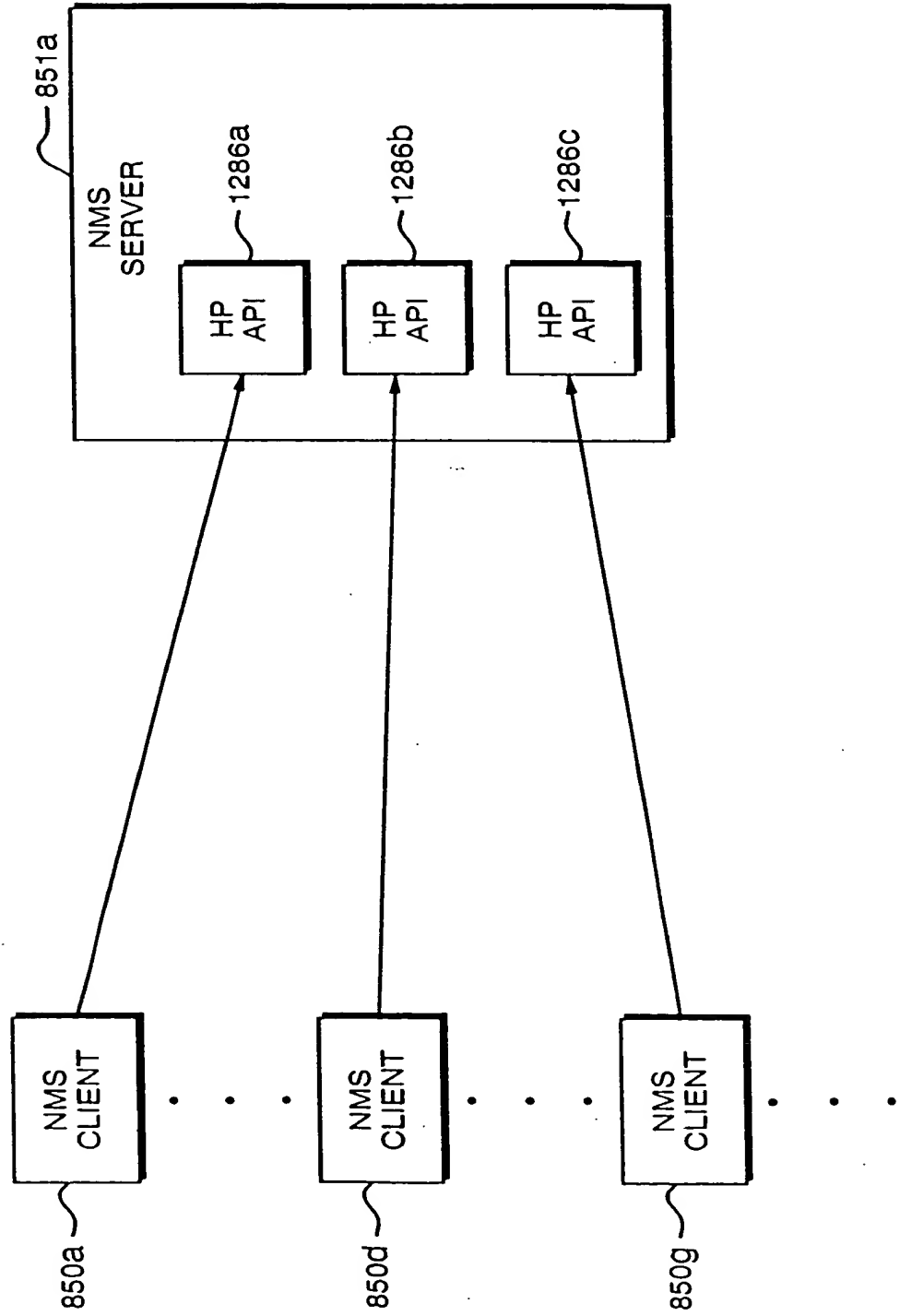


FIG. 2I

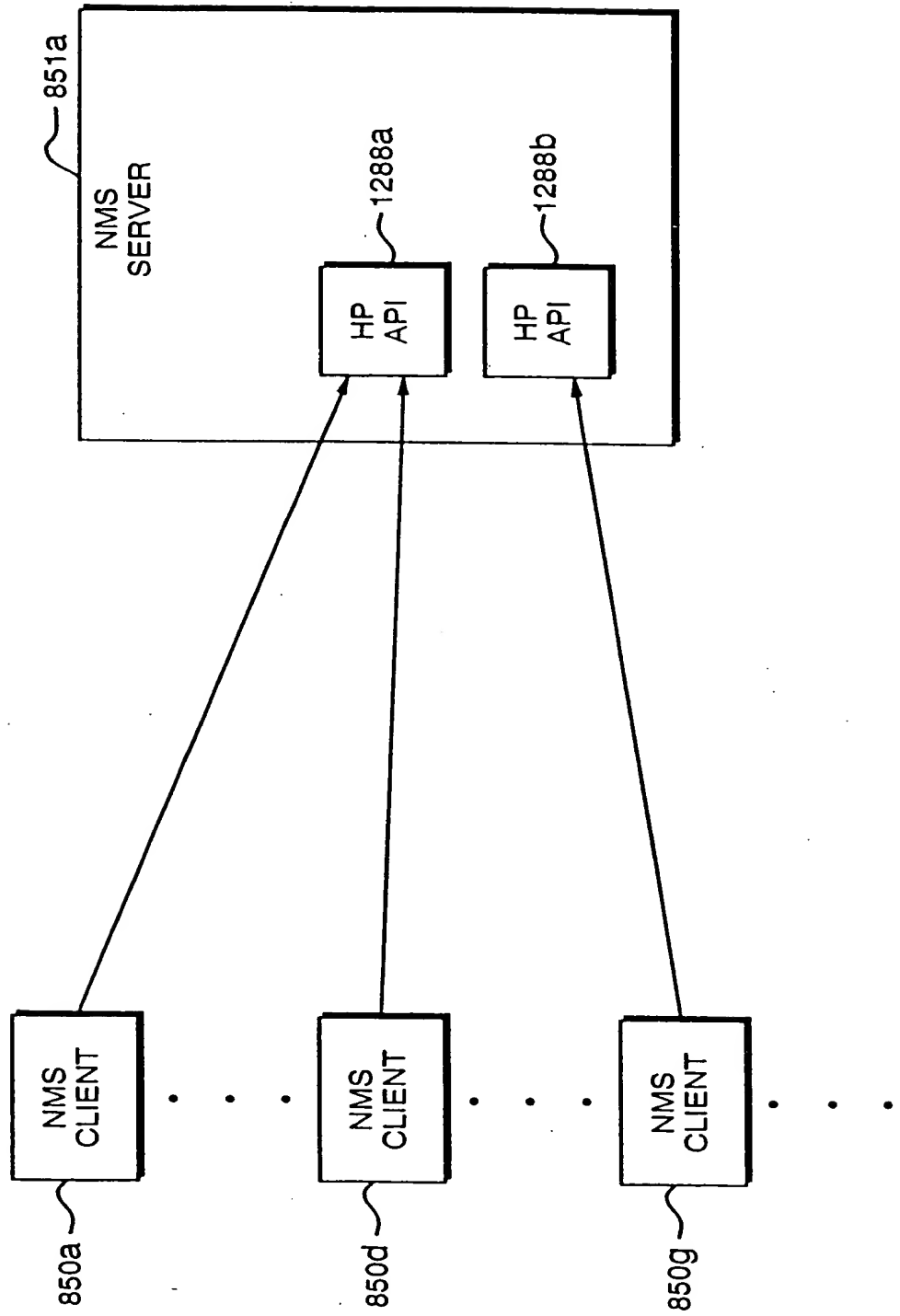


FIG. 2J



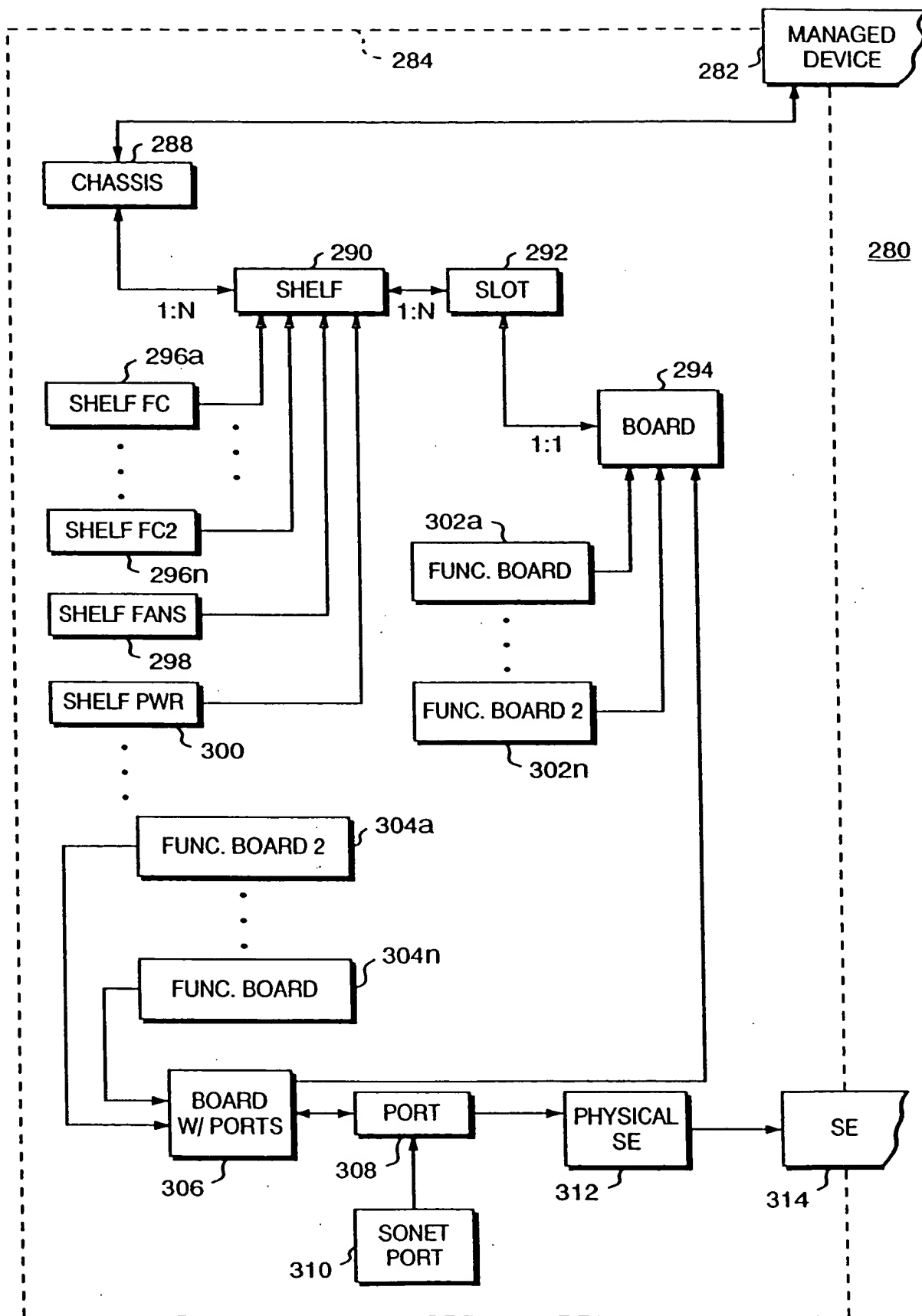
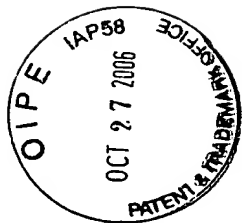


FIG. 2A



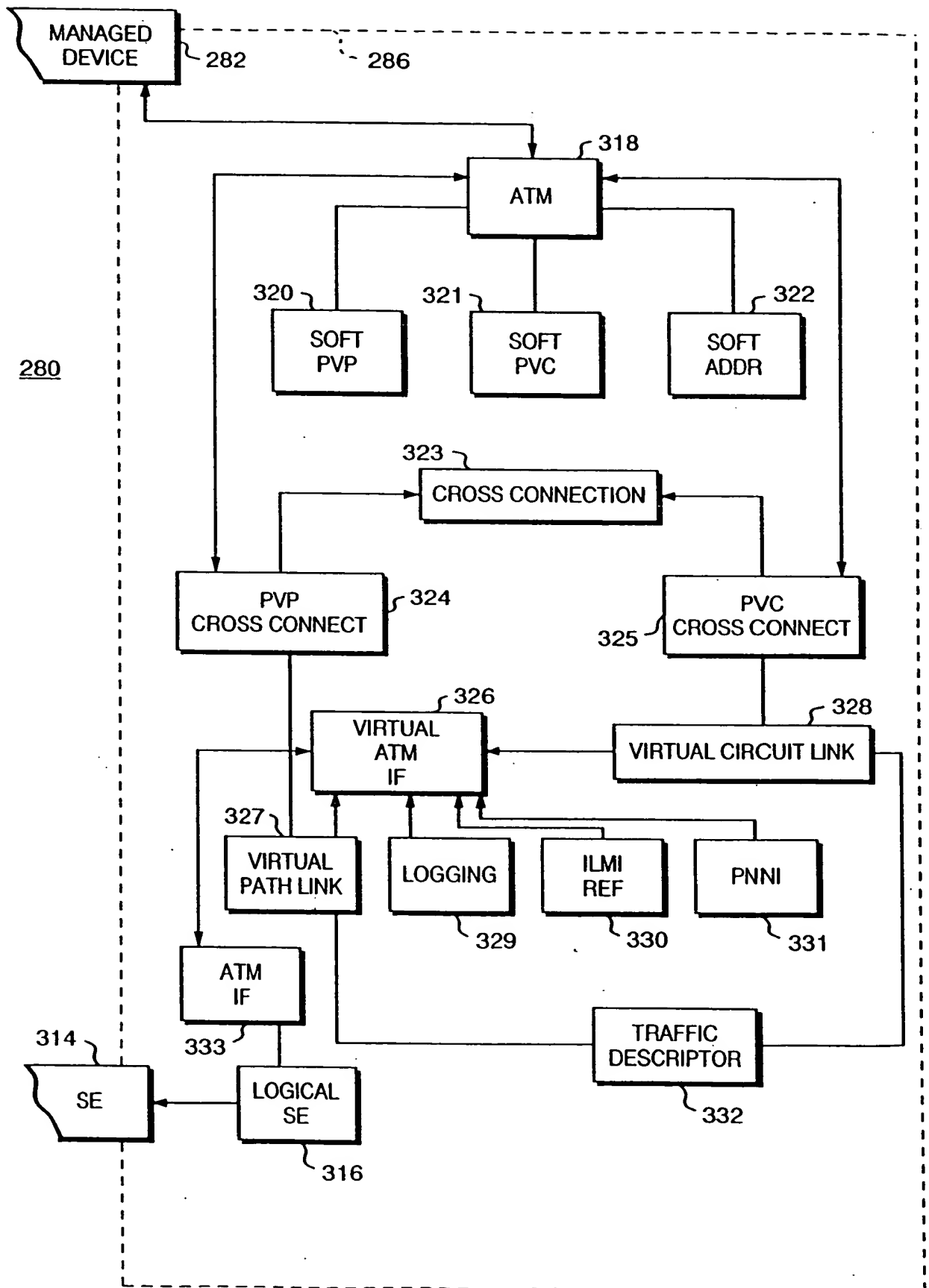
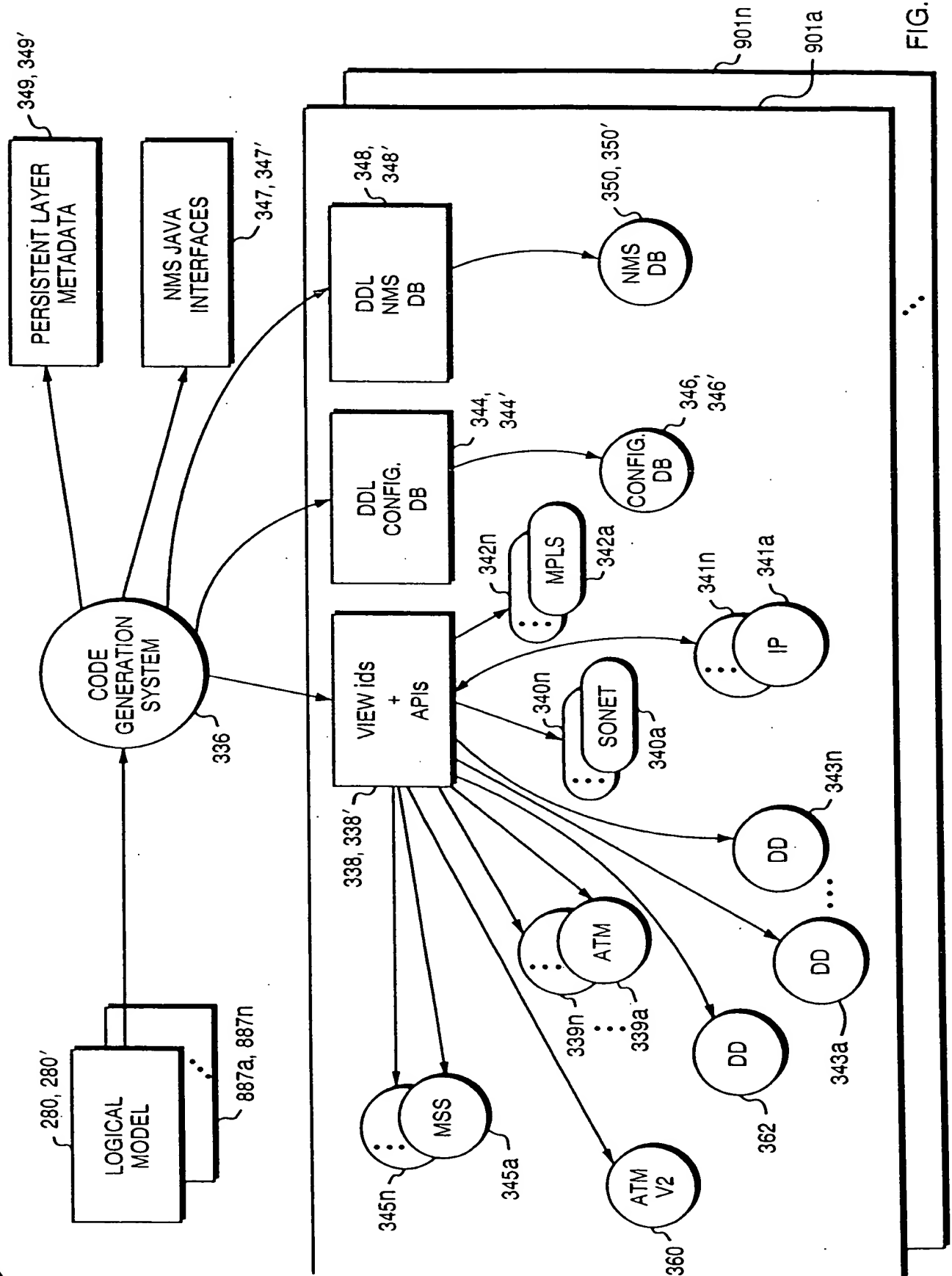


FIG 3R





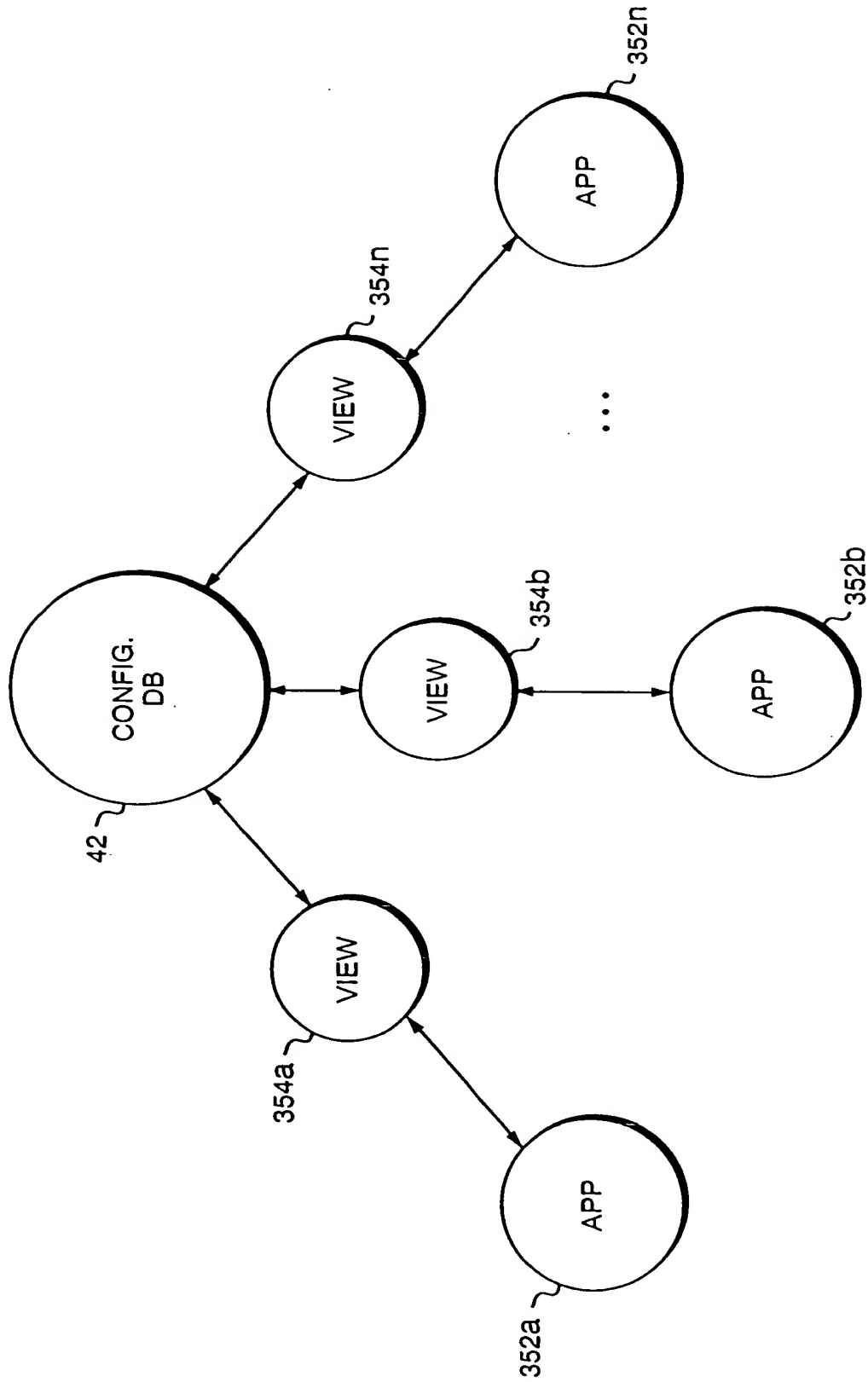
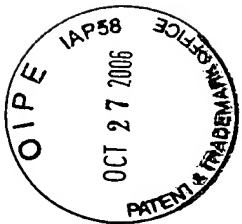


FIG. 3D



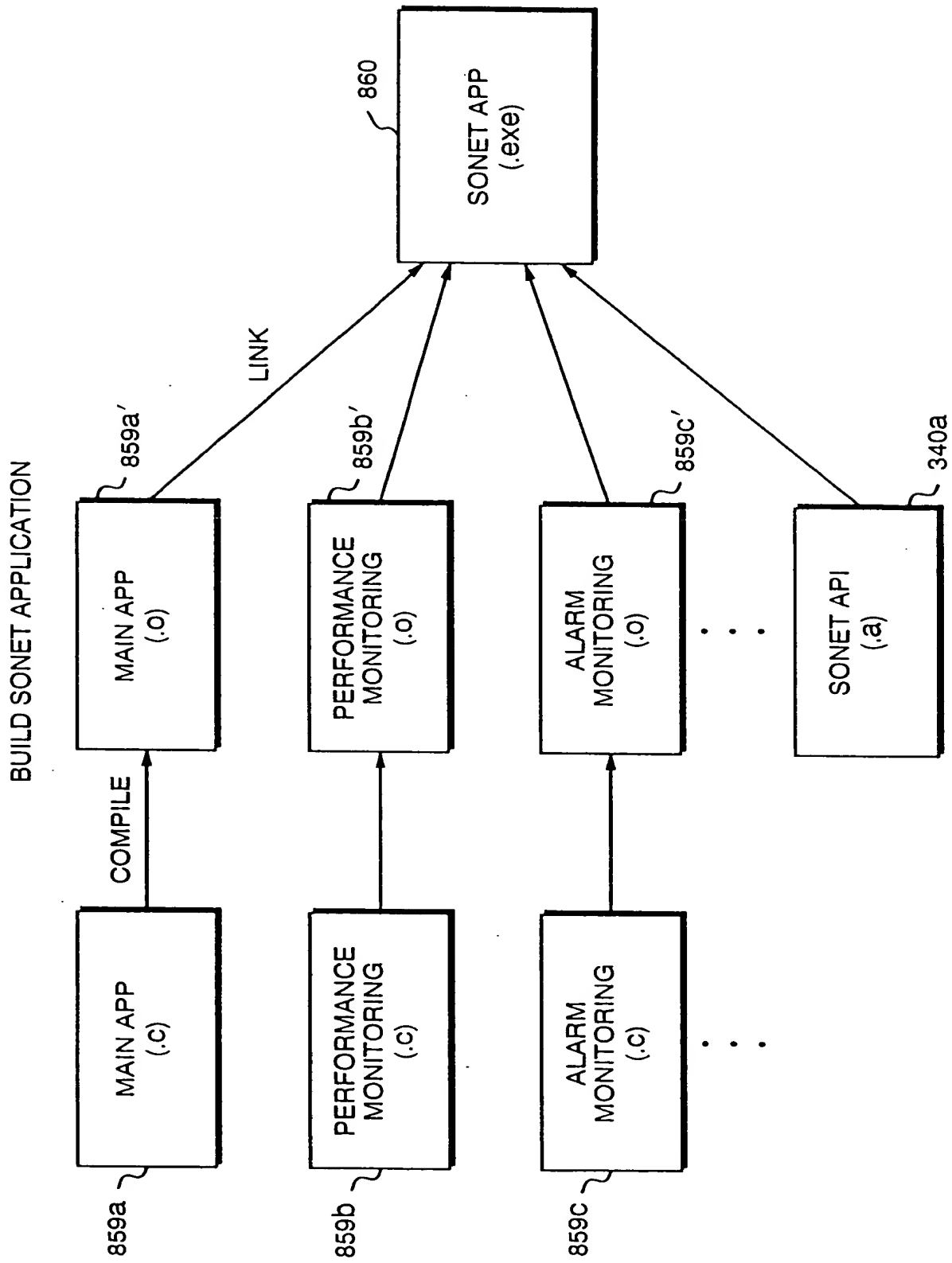
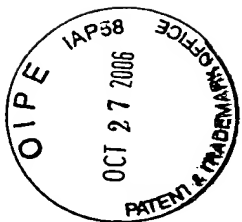


FIG. 3E



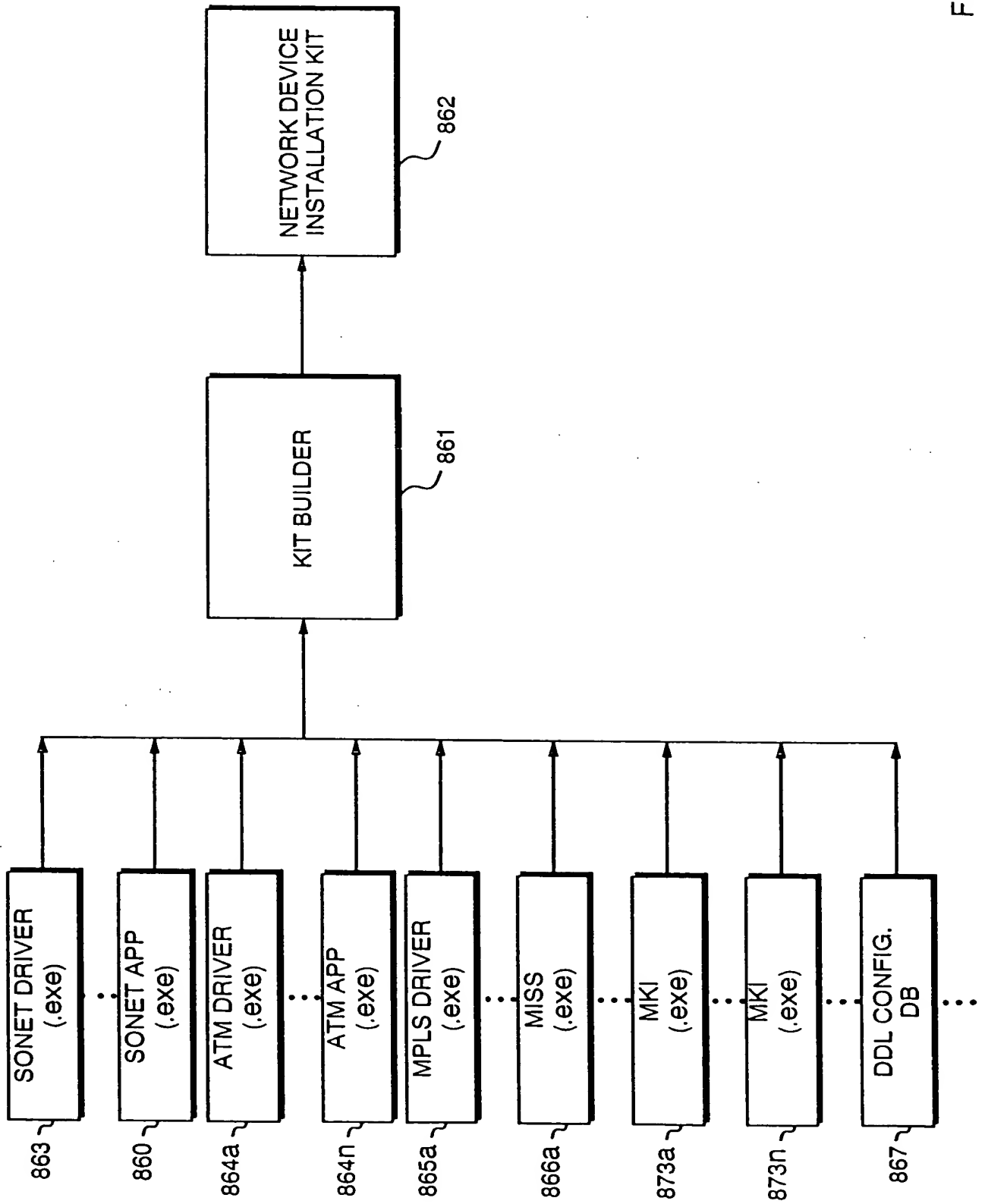


FIG. 3F



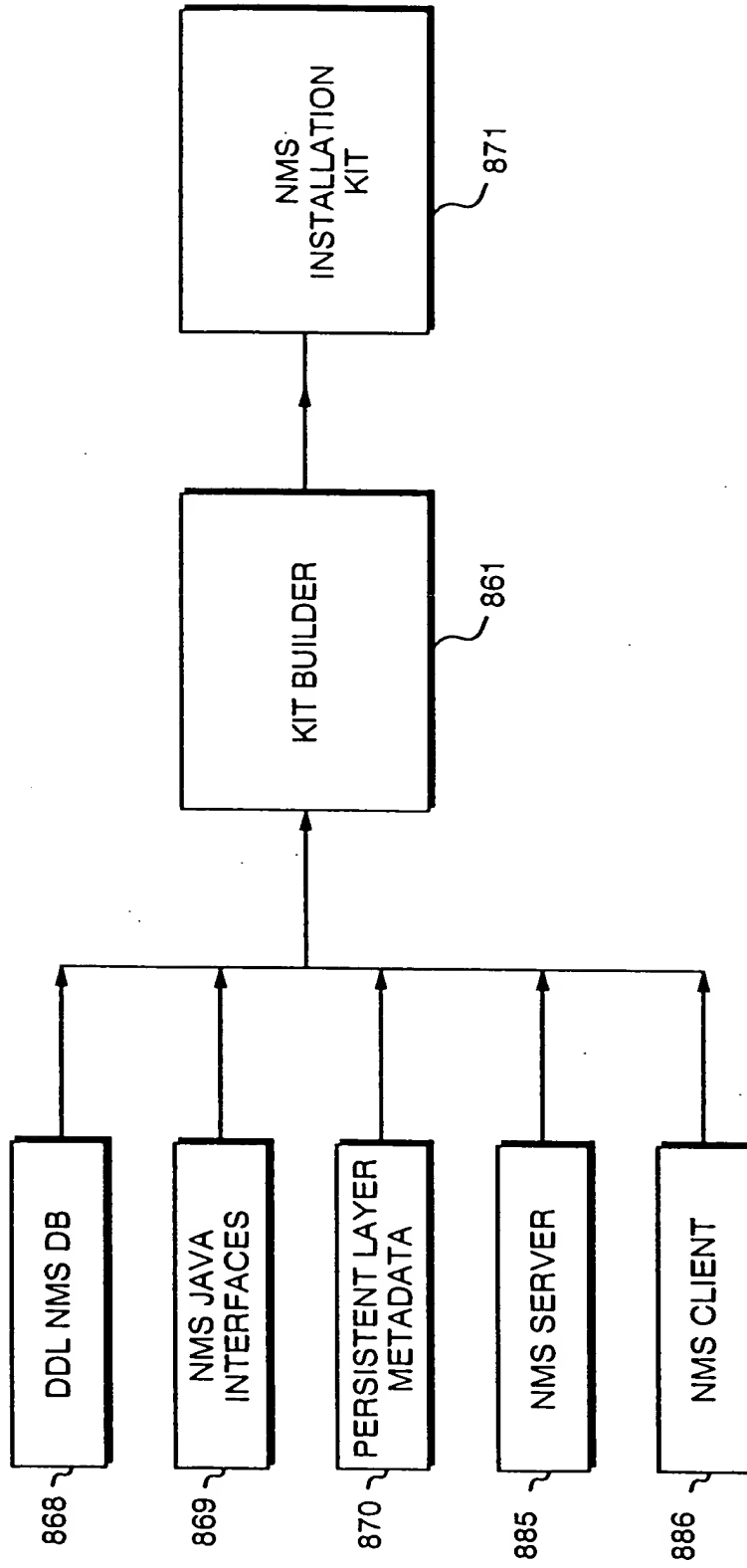
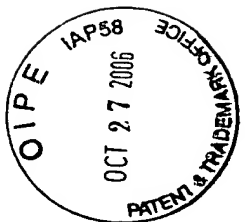


FIG. 3G



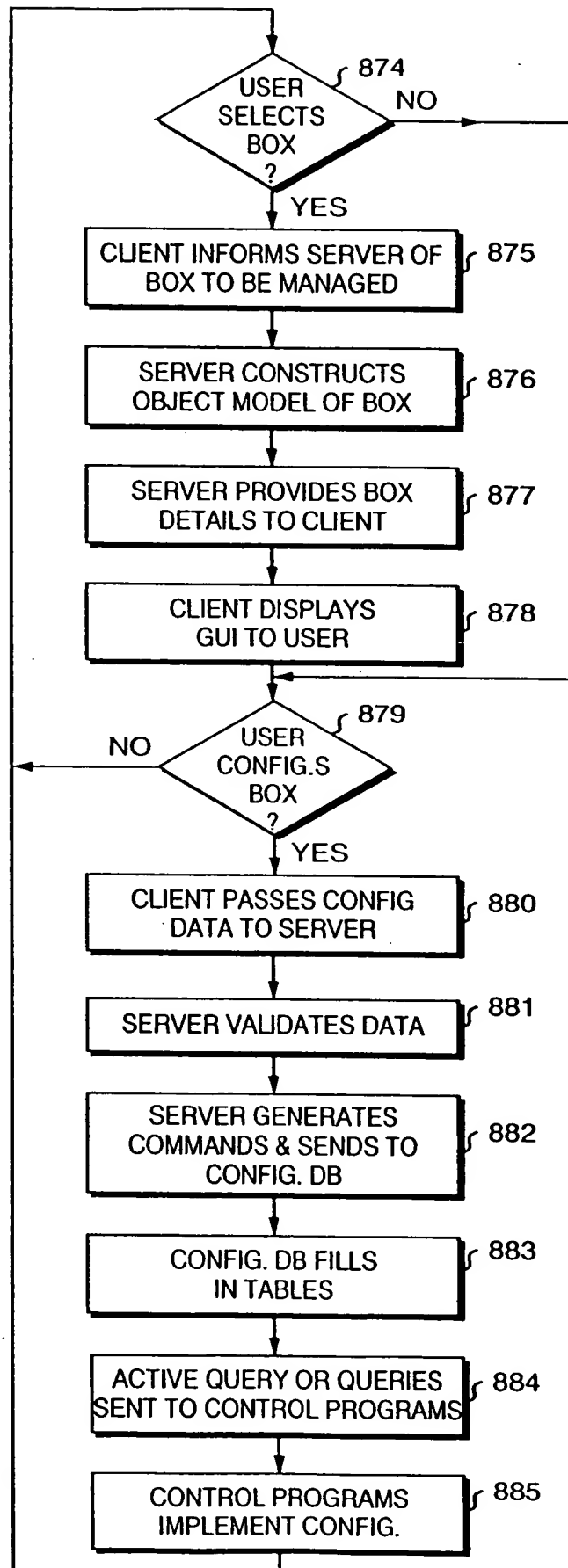
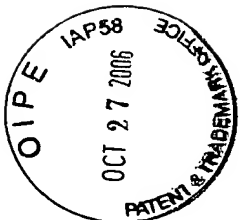


FIG. 3H



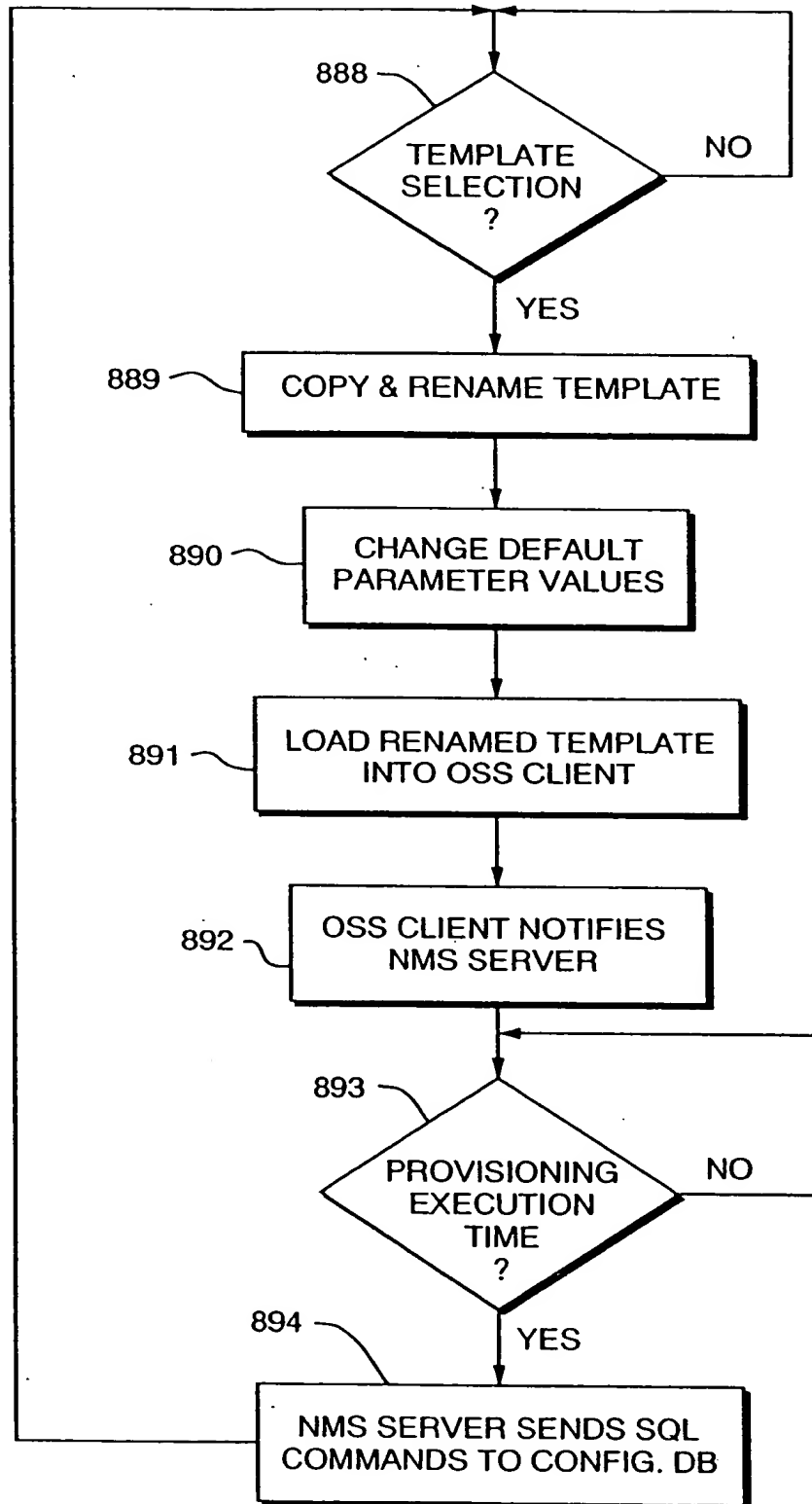
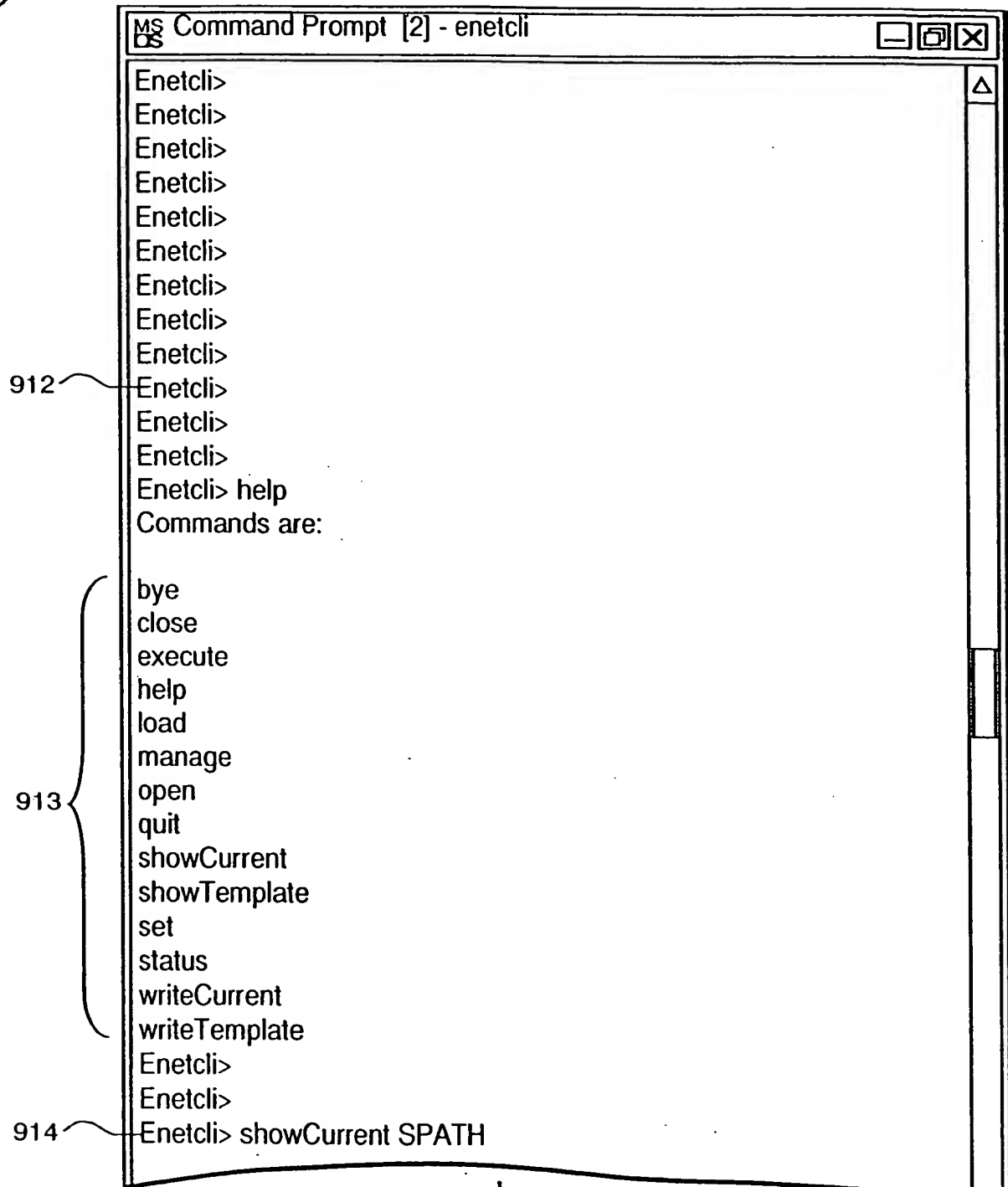


FIG. 31





TO FIG. 3K

FIG. 3J

FROM FIG. 3J

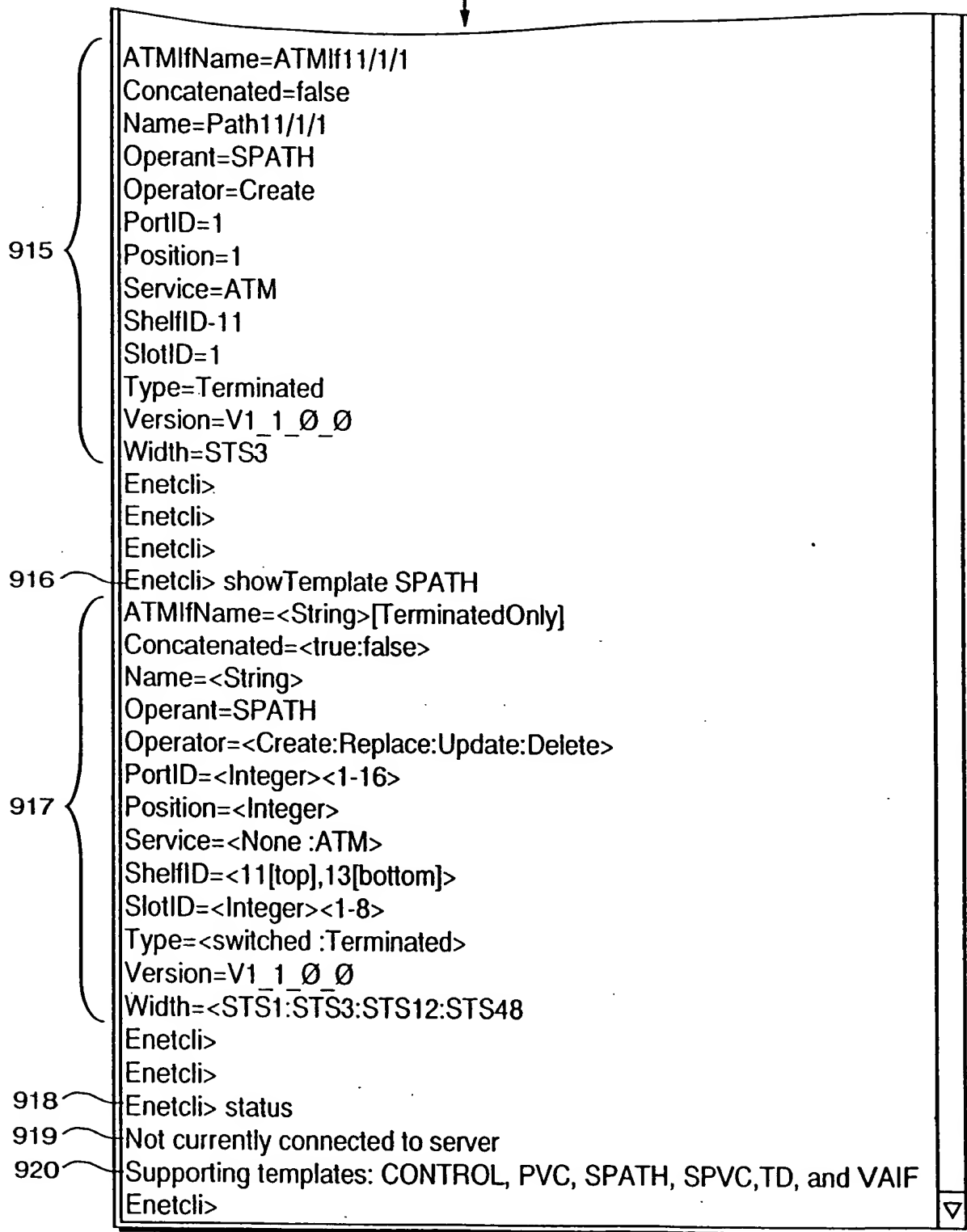


FIG. 3K

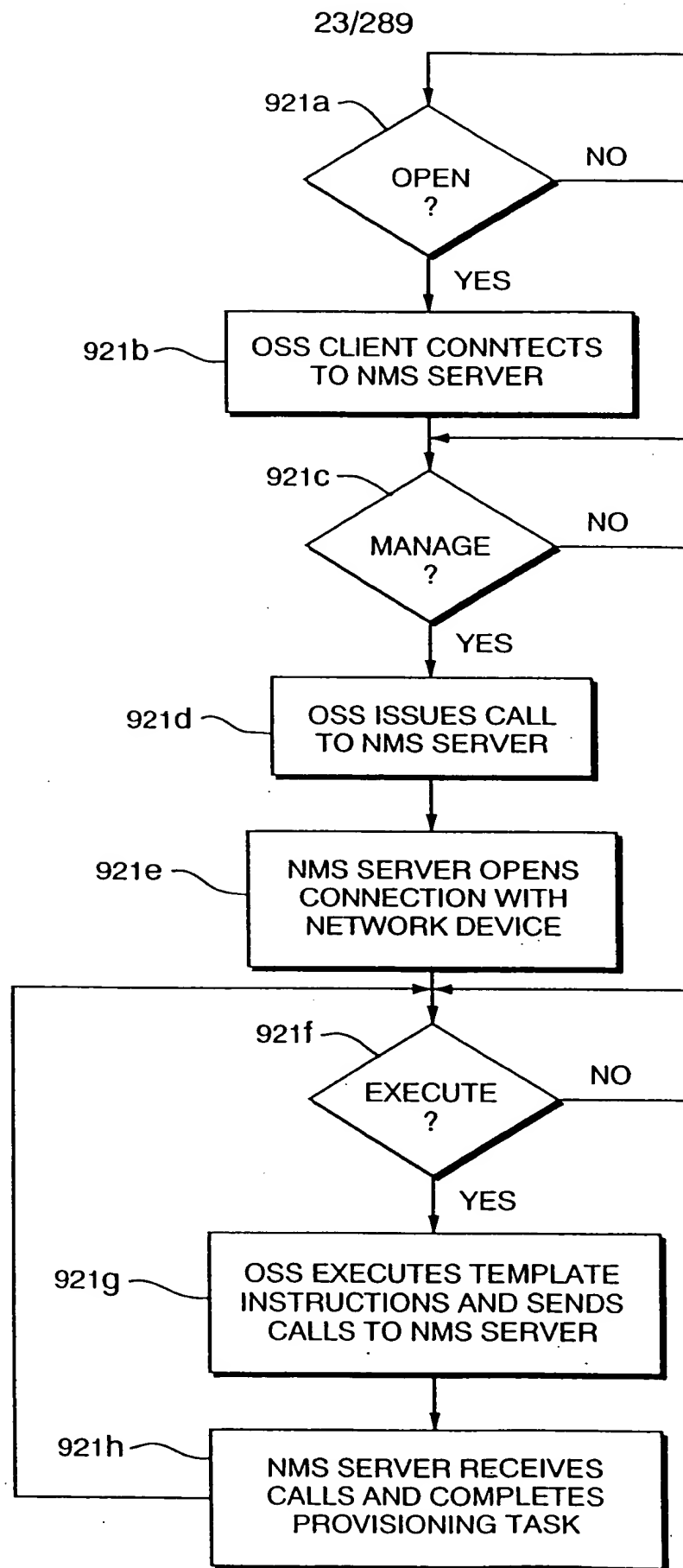


FIG. 3L



```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3M



BATCH

924
↙

Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a ~ TASK1=execute-SPATH

924b ~ TASK2=execute-PVC

924c ~ TASK3=execute-SPVC

924d ~ TASK4=load-SPVC-spvc1

924e ~ TASK5=execute-SPVC

924f ~ TASK6=load-SPVC-spvc2

924e ~ TASK7=execute-SPVC

.
.

924g ~ TASK50=set-SPATH-PortID-3

924h ~ TASK51=execute-SPATH

924i ~ TASK52=set-SPATH-SlotID-2

924j ~ TASK53=execute-SPATH

FIG. 3N

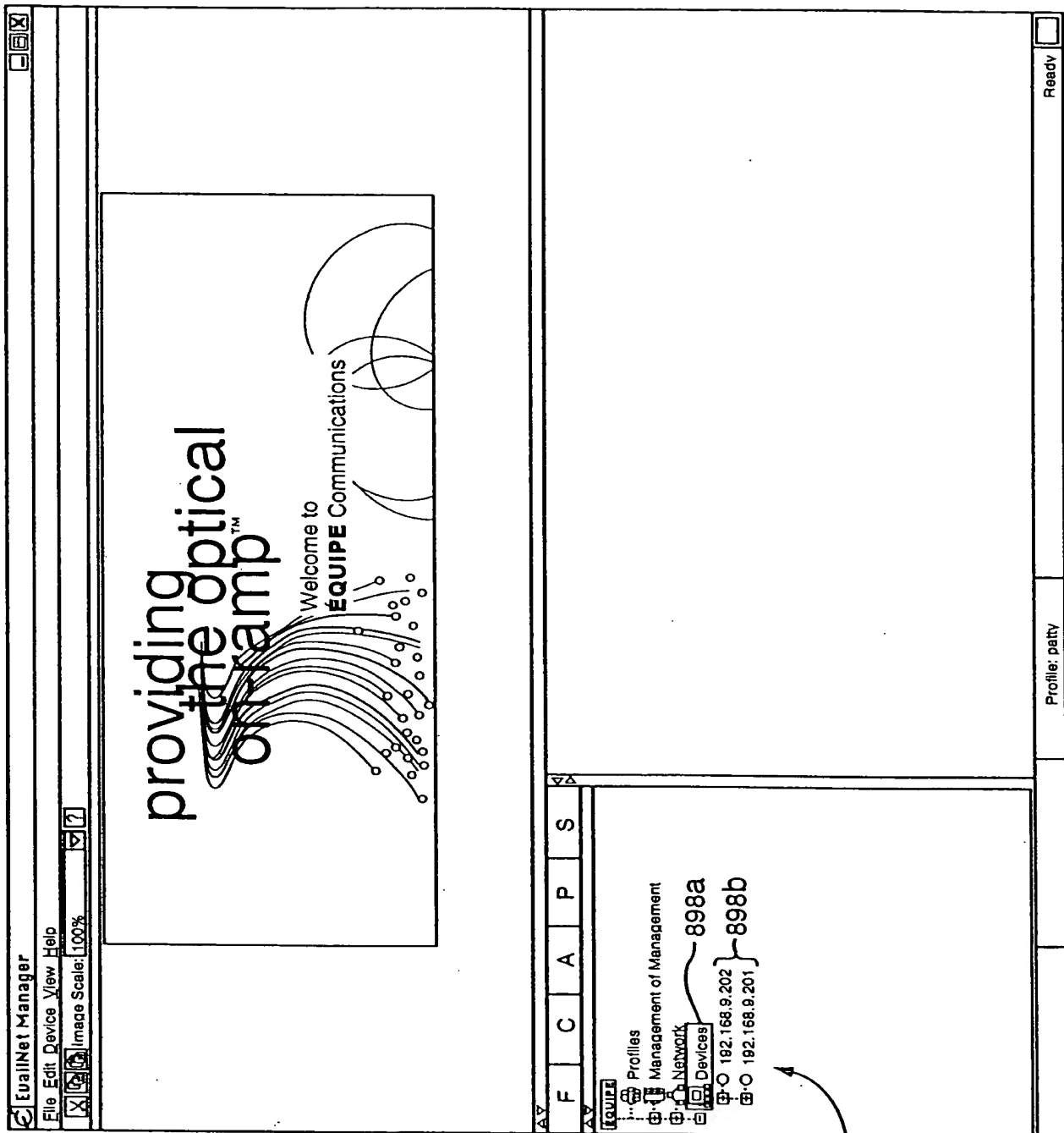


925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
.
.
.
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
.
.
.
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
.
.
.

FIG. 30

895



898

FIG. 4A



895

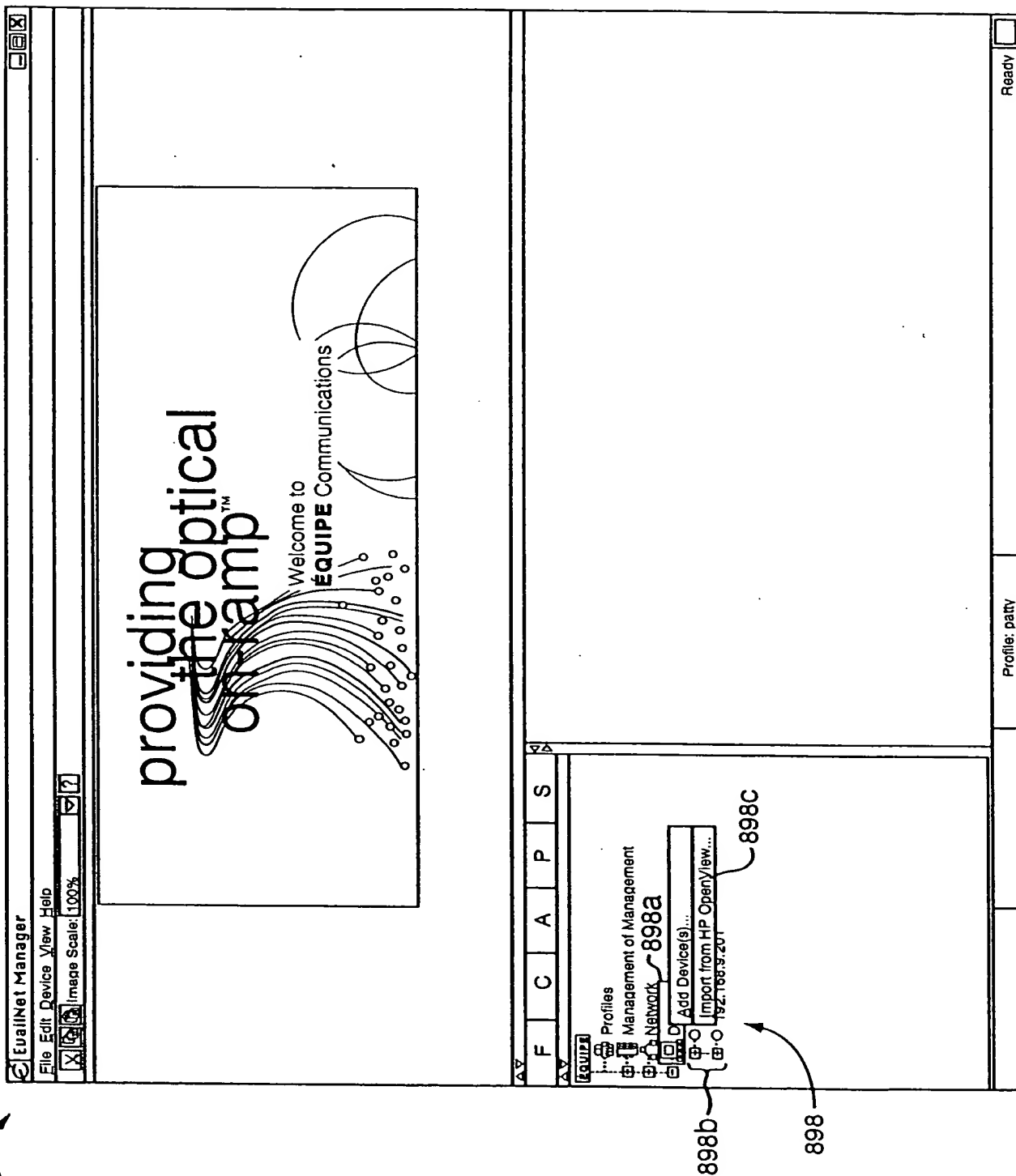


FIG. 4B



AddDeleteDeviceDlg

Enter device to add 898e

192.168.9.203

☒ Manage device in on-line mode

Add 898f

Device List
On-Line Device 898d

OK Cancel Delete

FIG. 4C

AddDeleteDeviceDlg

Enter device to add 898e

☒ Manage device in on-line mode

Add 898f

Device List
On-Line Device 898d

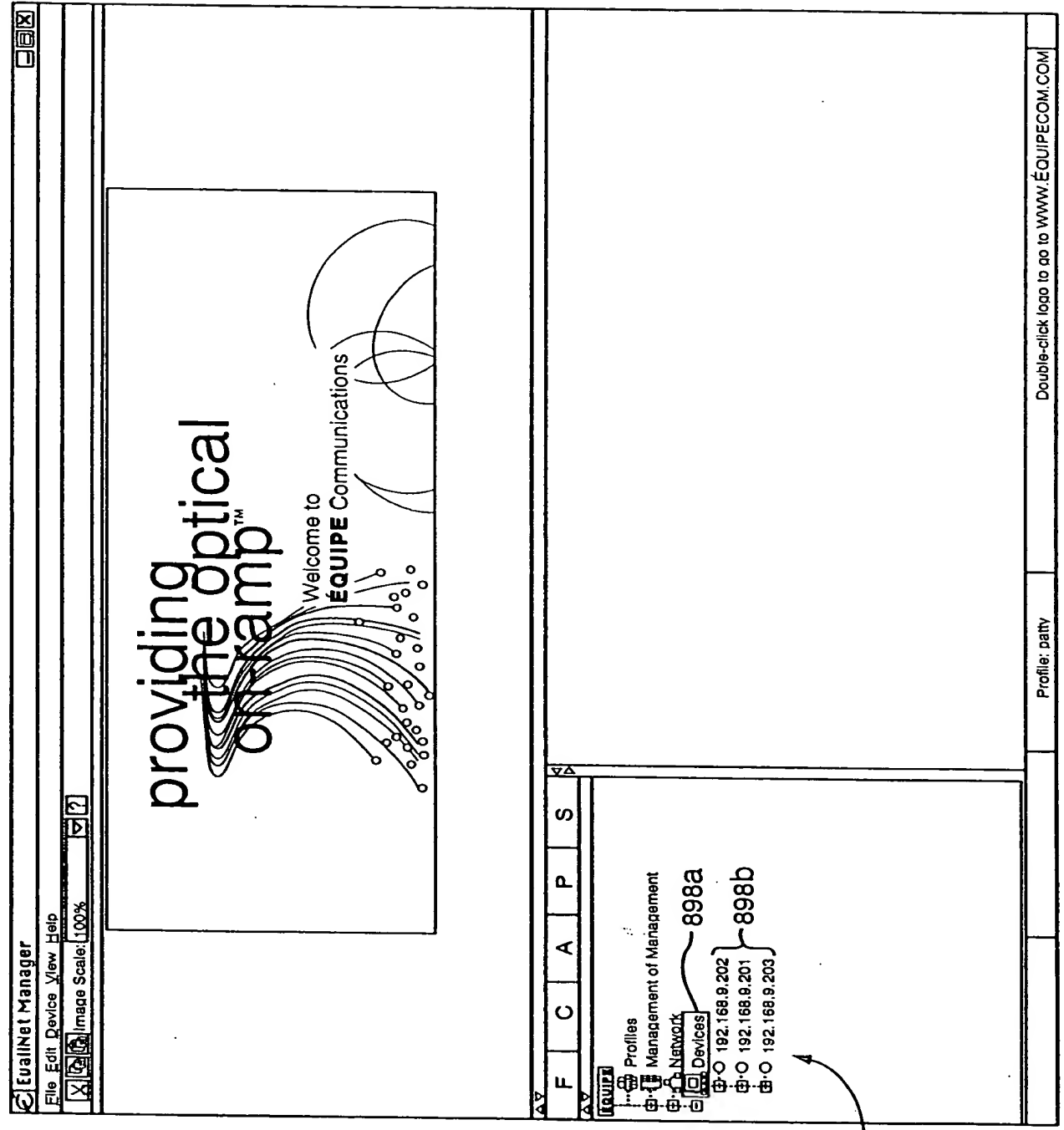
☒ 192.168.9.203 898g

898j OK Cancel Delete 898h 898i

FIG. 4D



895



898

FIG. 4E

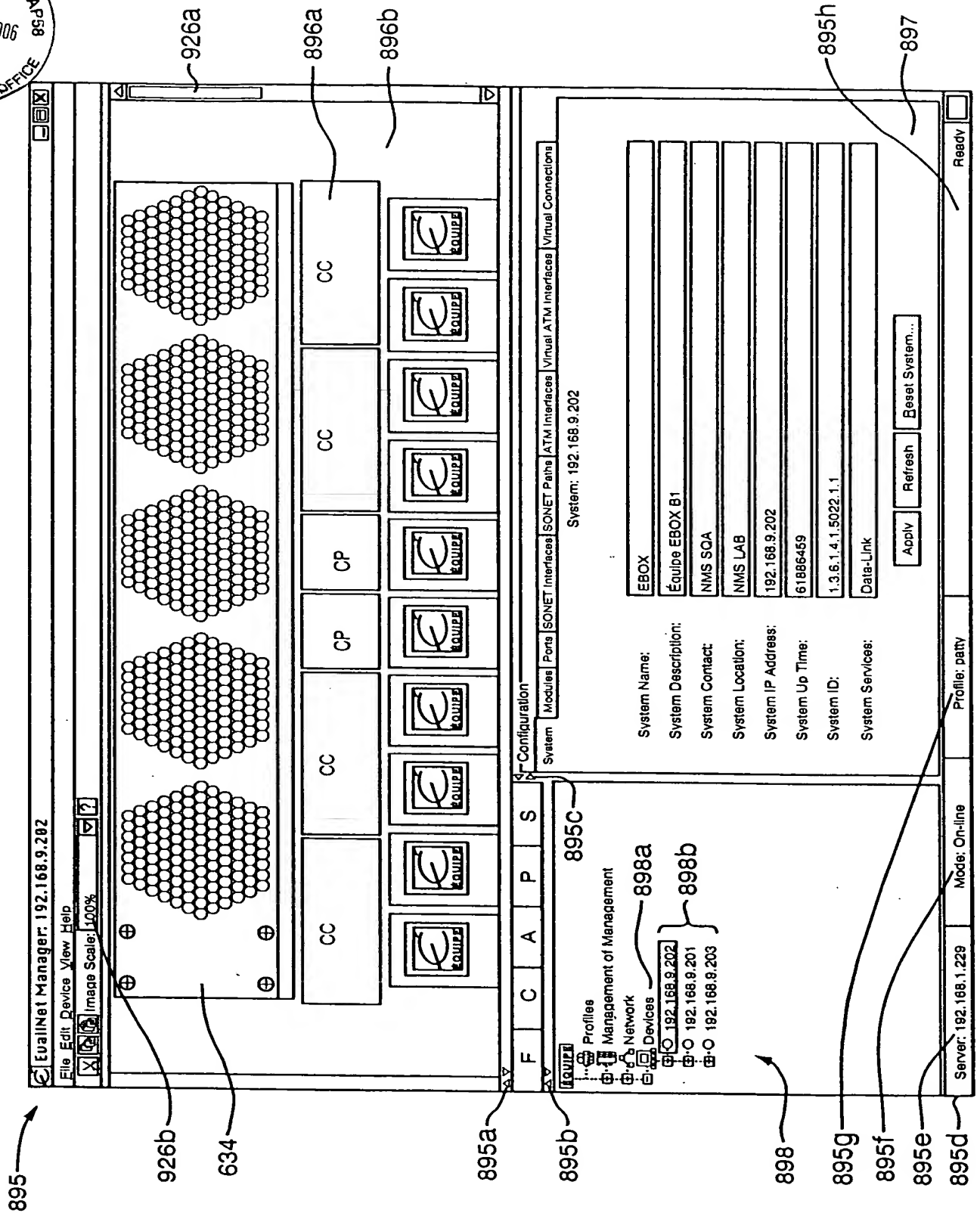


FIG. 4F

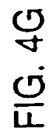


FIG. 4G

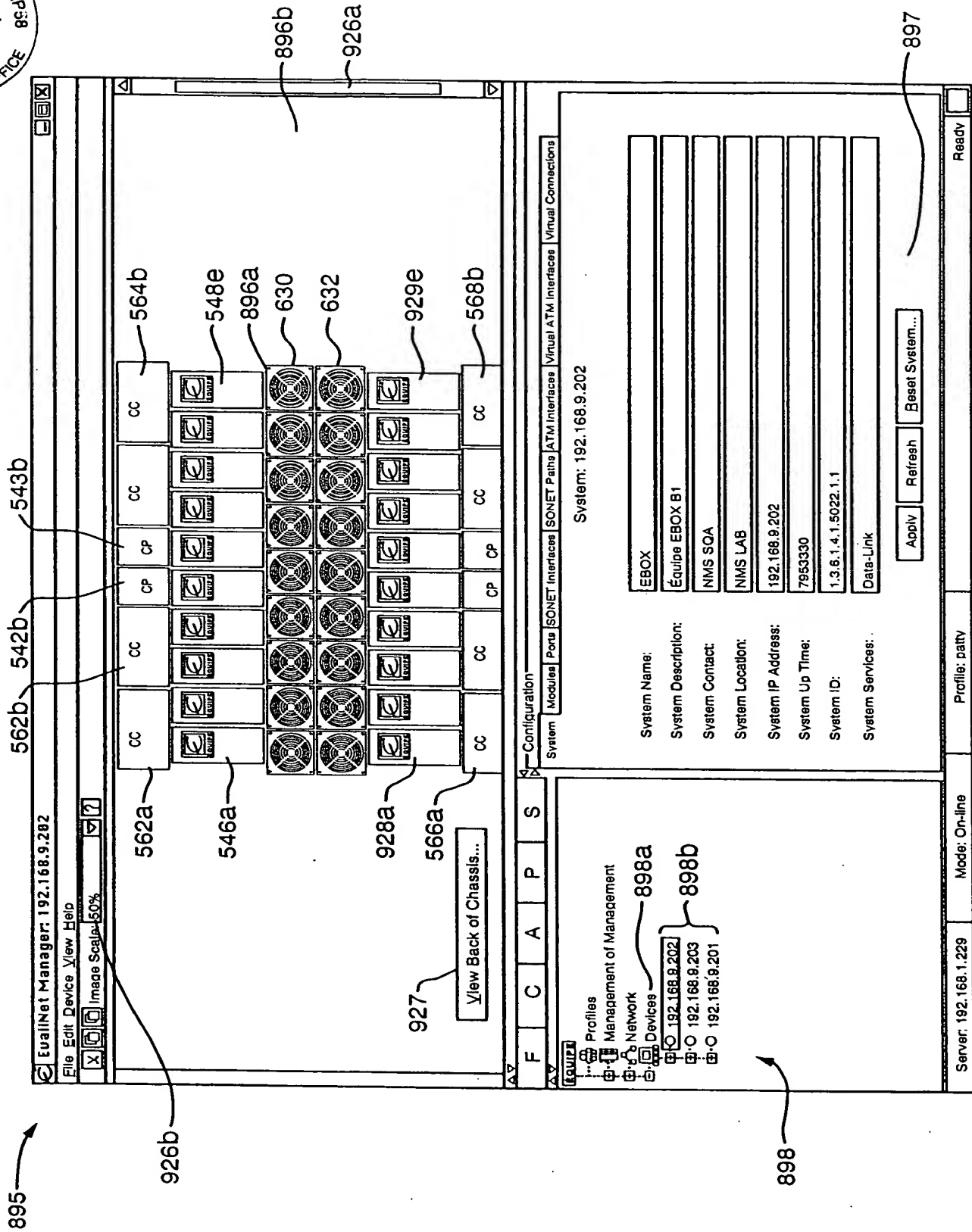


FIG. 4H

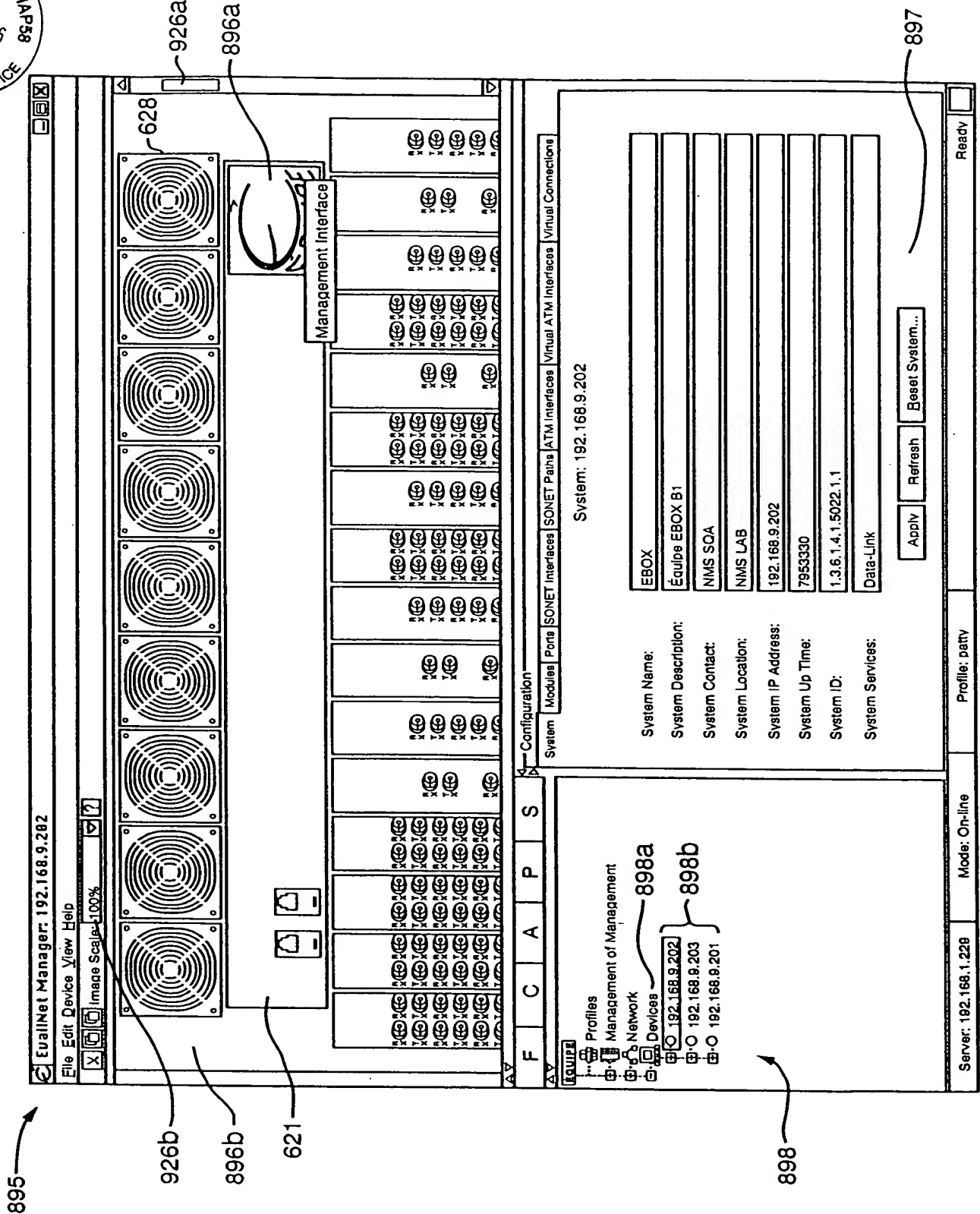


FIG. 4I

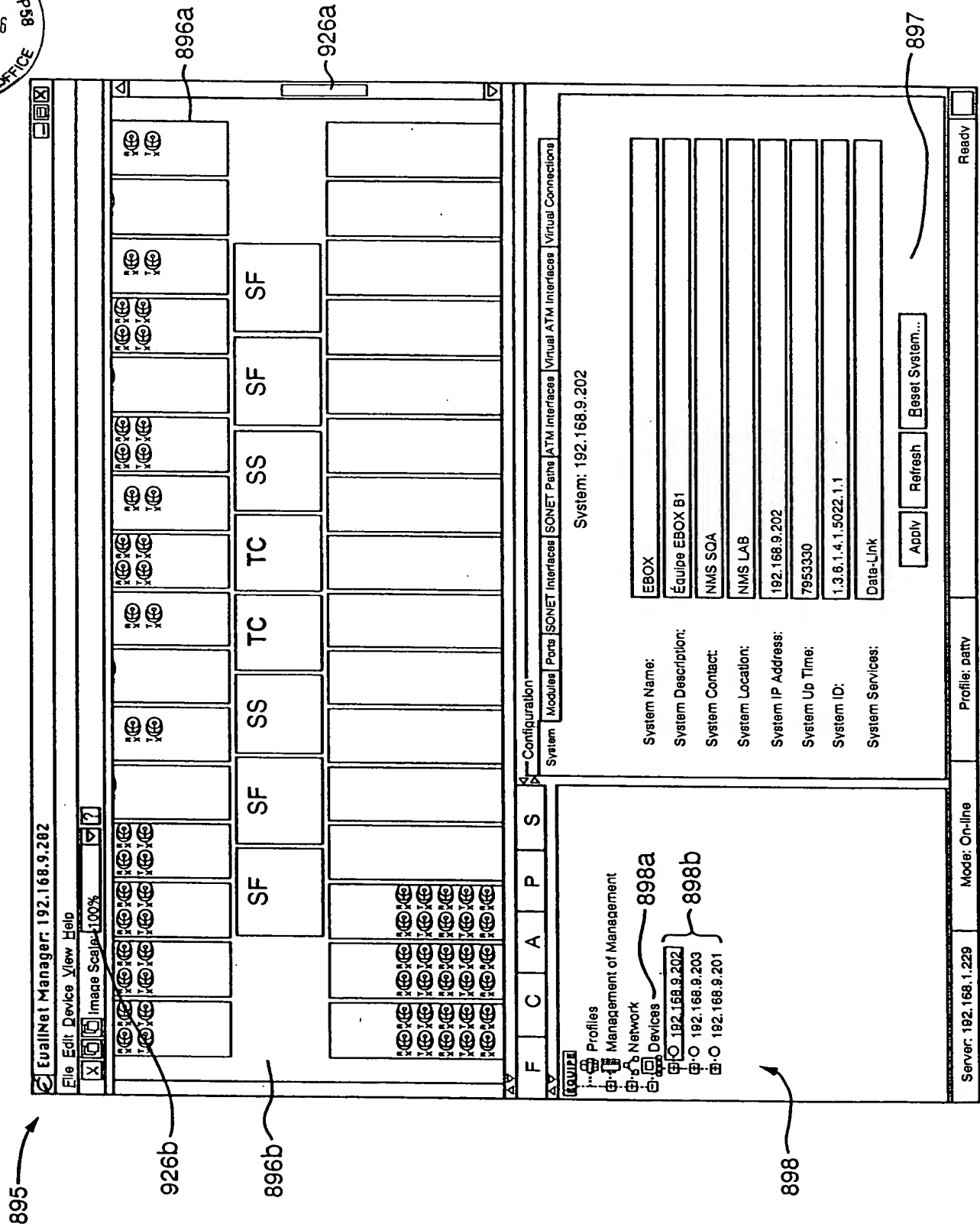


FIG. 4J

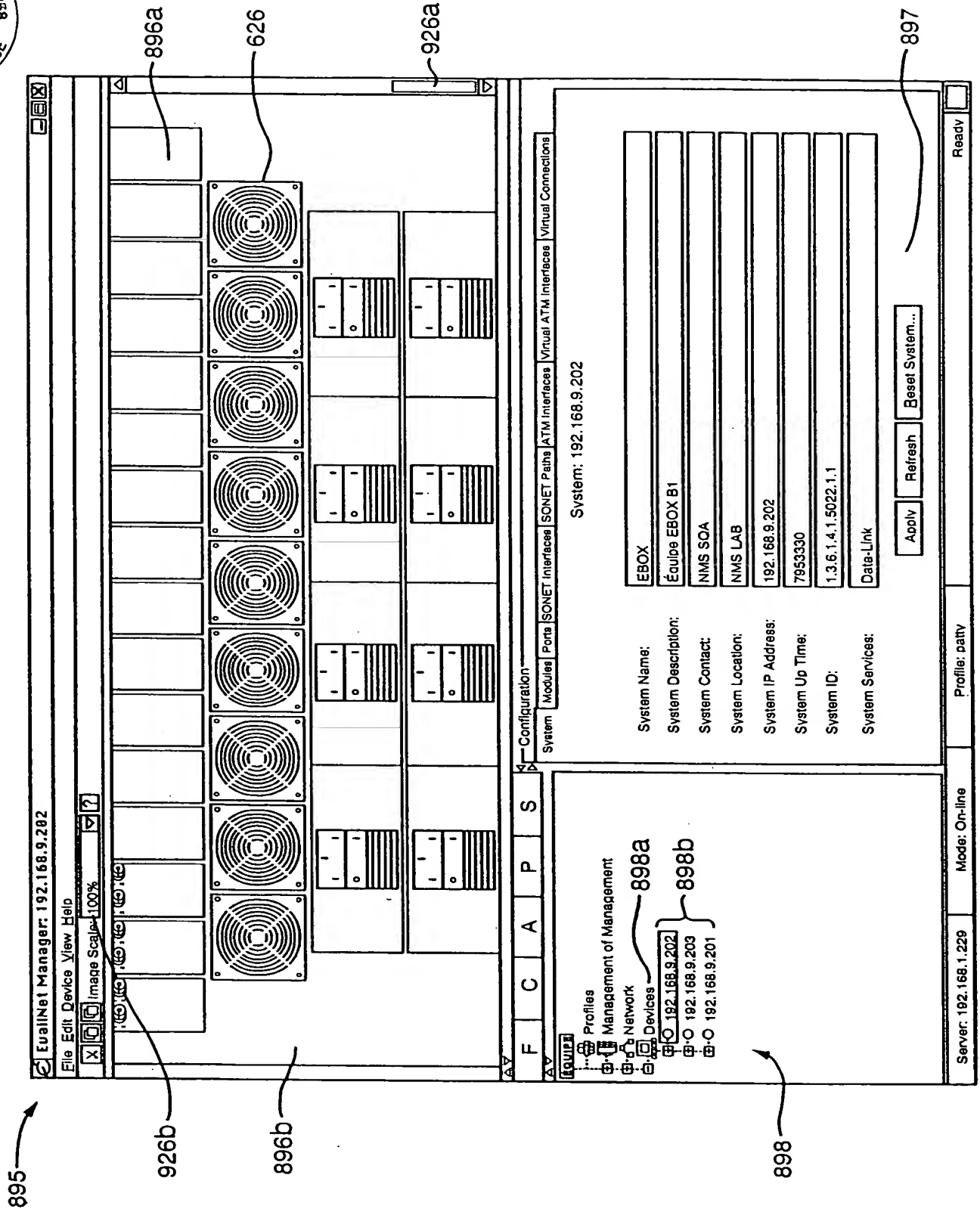


FIG. 4K

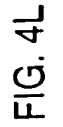
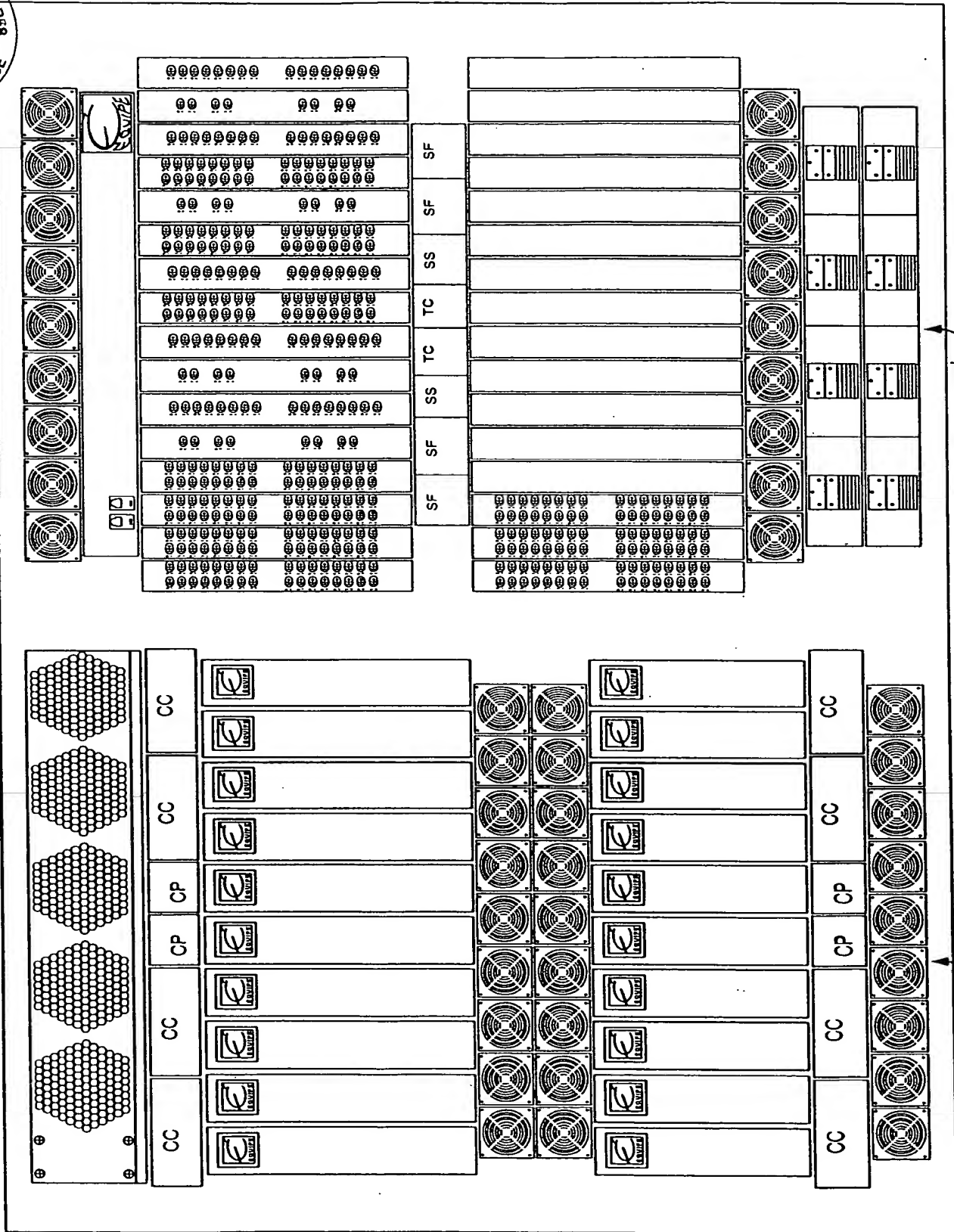


FIG. 4L

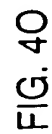
FIG. 4M



955b

955a

FIG. 4N



895

556e

768

895

556d

The screenshot displays the EvalNet Manager interface for a system named '192.168.9.202'. The top menu bar includes 'File', 'Edit', 'Device', 'View', and 'Help'. Below the menu is a toolbar with icons for file operations and a zoom slider set to 100%.

The main window is divided into several panes:

- Left Pane:** A hierarchical tree view showing the network structure. It includes 'System', 'Modules', 'Ports', 'SONET Interfaces', 'SONET Paths', 'ATM Interfaces', 'Virtual ATM Interfaces', and 'Virtual Connections'. The 'System' node is expanded, showing a list of modules including '4 Port OC-48 Universal Port Module' and 'Shelf 11/Slot 5'.
- Top Center Pane:** A diagram of the network topology. It shows a central node labeled '192.168.9.202' connected to various other nodes. A tooltip is visible over one of the nodes, displaying '4 Port OC-48 Universal Port Module' and 'Shelf 11/Slot 5'.
- Right Pane:** A configuration window for the selected system. It contains the following information:
 - System Name:** EBOX
 - System Description:** Équipe EBOX B1
 - System Contact:** NMS SOA
 - System Location:** NMS LAB
 - System IP Address:** 192.168.9.202
 - System Up Time:** 7953330
 - System ID:** 1.3.6.1.4.1.5022.1.1
 - System Services:** Data-Link

At the bottom of the interface, there is a status bar showing the server IP address '192.168.1.229' and the mode 'On-line'.

FIG. 4Q





895

933

897

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

OC-12

Shelf 11/Slot 4/Port 1

932e

934

System

Modules

Ports

SONET Interfaces

SONET Paths

ATM Interfaces

Virtual ATM Interfaces

Virtual Connections

934a

934b

934c

934d

934e

934f

934g

934h

System Name:

System Description:

System Contact:

System Location:

System IP Address:

System Up Time:

System ID:

System Services:

EBOX

Équipe EBOX B1

NMS SOA

NMS LAB

192.168.9.202

7953330

1.3.6.1.4.1.5022.1.1

Data-Link

935c

935a

935b

Apply

Refresh

Reset System...

Server: 192.168.1.229

Mode: On-line

Profile: patty

Ready

FIG. 4S

895 —

556d

896a

937

768

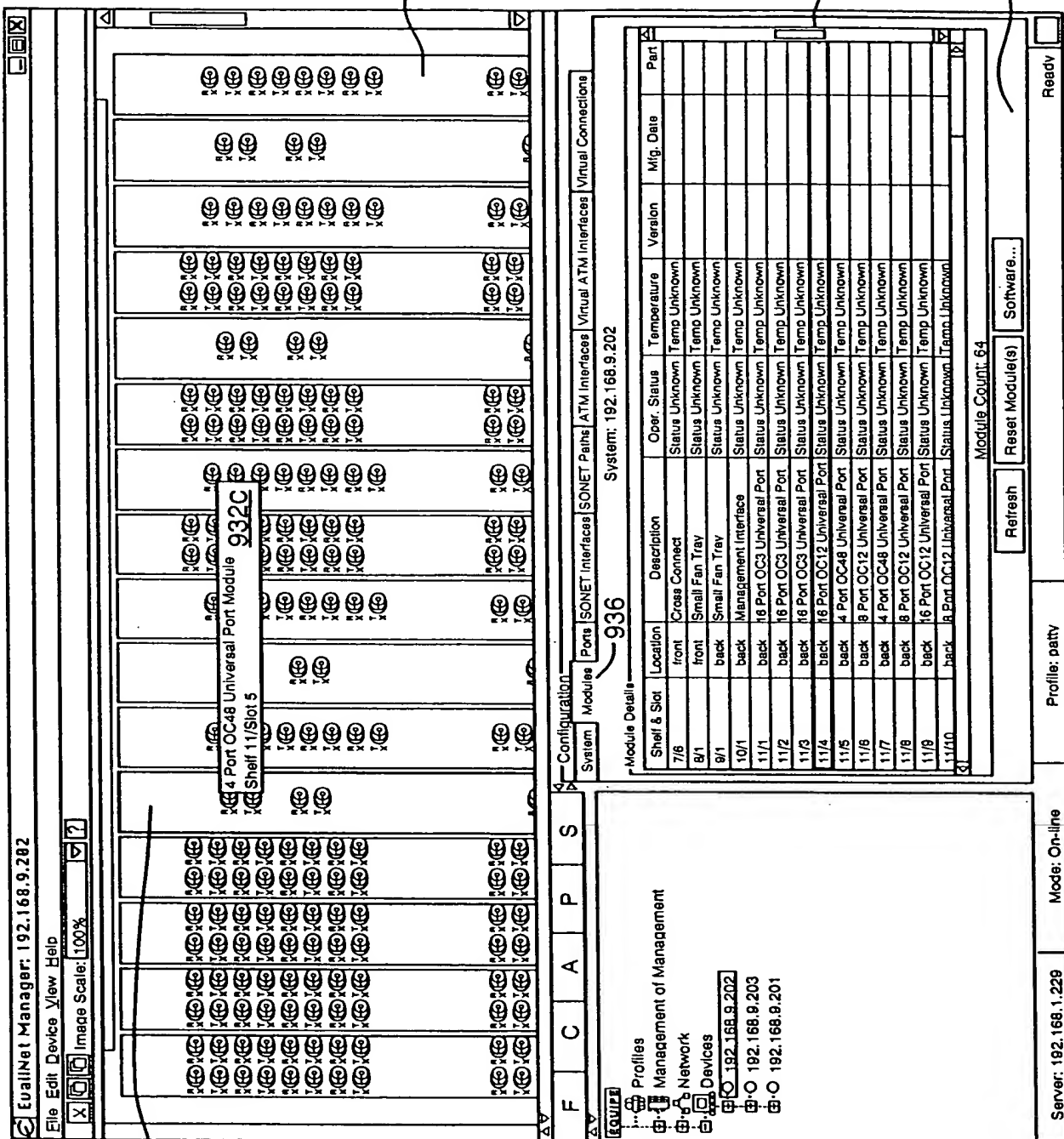


FIG. 4T

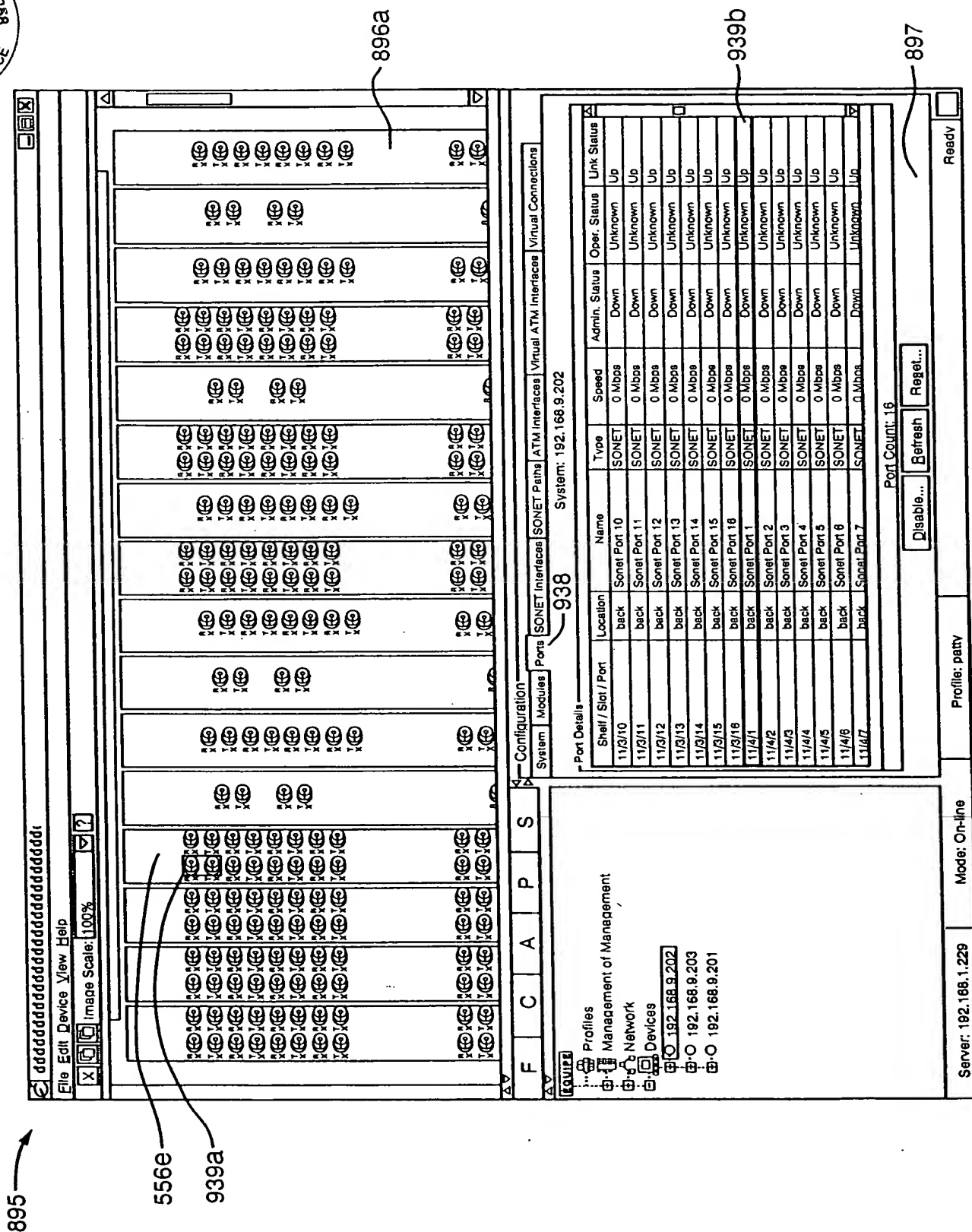


FIG. 4U



47/289

895

556d

941a

896a

941b

897

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

System Modules Ports S O N E T

Configuration

System Modules Ports S O N E T

SONET Lines

Shelf / Slot	Location	Medium	Circuit ID	Line Type	Line Coding	Loopback	Laser	Path Count
11/4/11	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/4/12	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/4/13	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/4/14	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/4/15	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/4/16	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/5/1	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/5/2	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/5/3	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/5/4	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/8/1	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/8/2	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/8/3	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0
11/8/4	back	SONET		Single Mode NRZ	NRZ	Terminal	Disabled	0

SONET Interface Count: 216

Paths... Refresh

Server: 192.168.1.228 Mode: On-line

Profile: patty

Ready

Equip Profiles Management of Management Network Devices

192.168.9.202

192.168.9.203

192.168.9.201

FIG. 4V

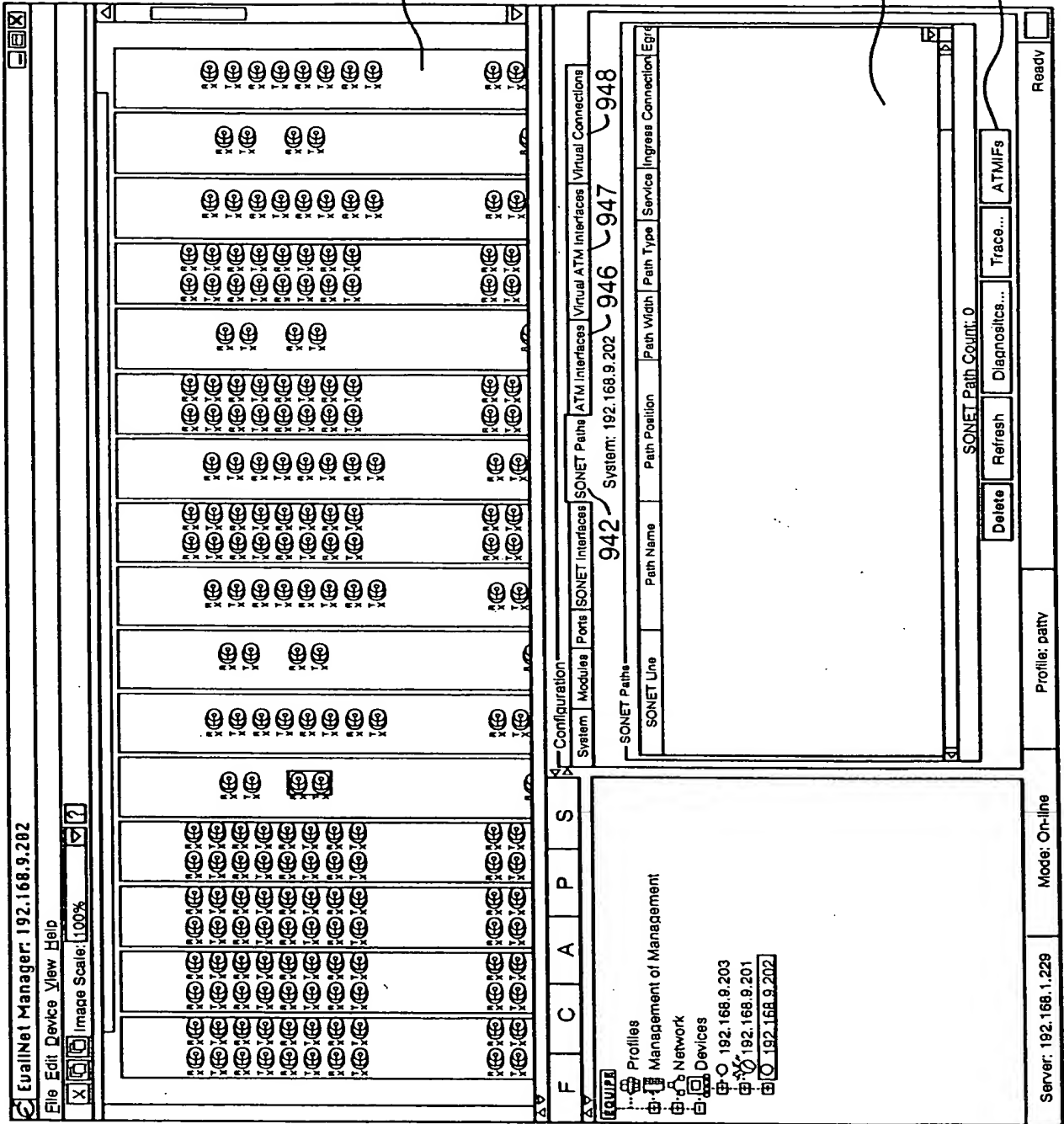


FIG. 4W

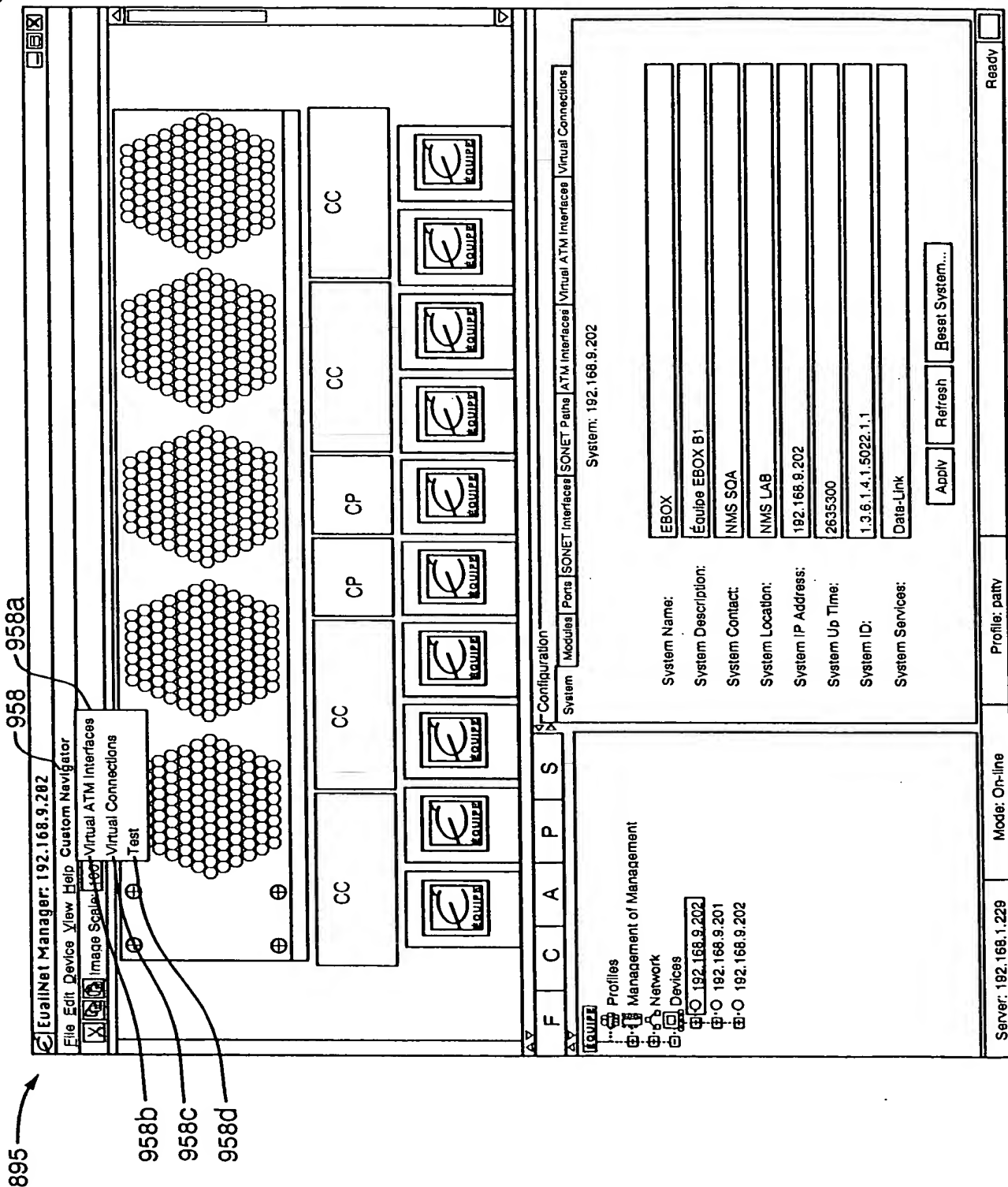


FIG. 4X

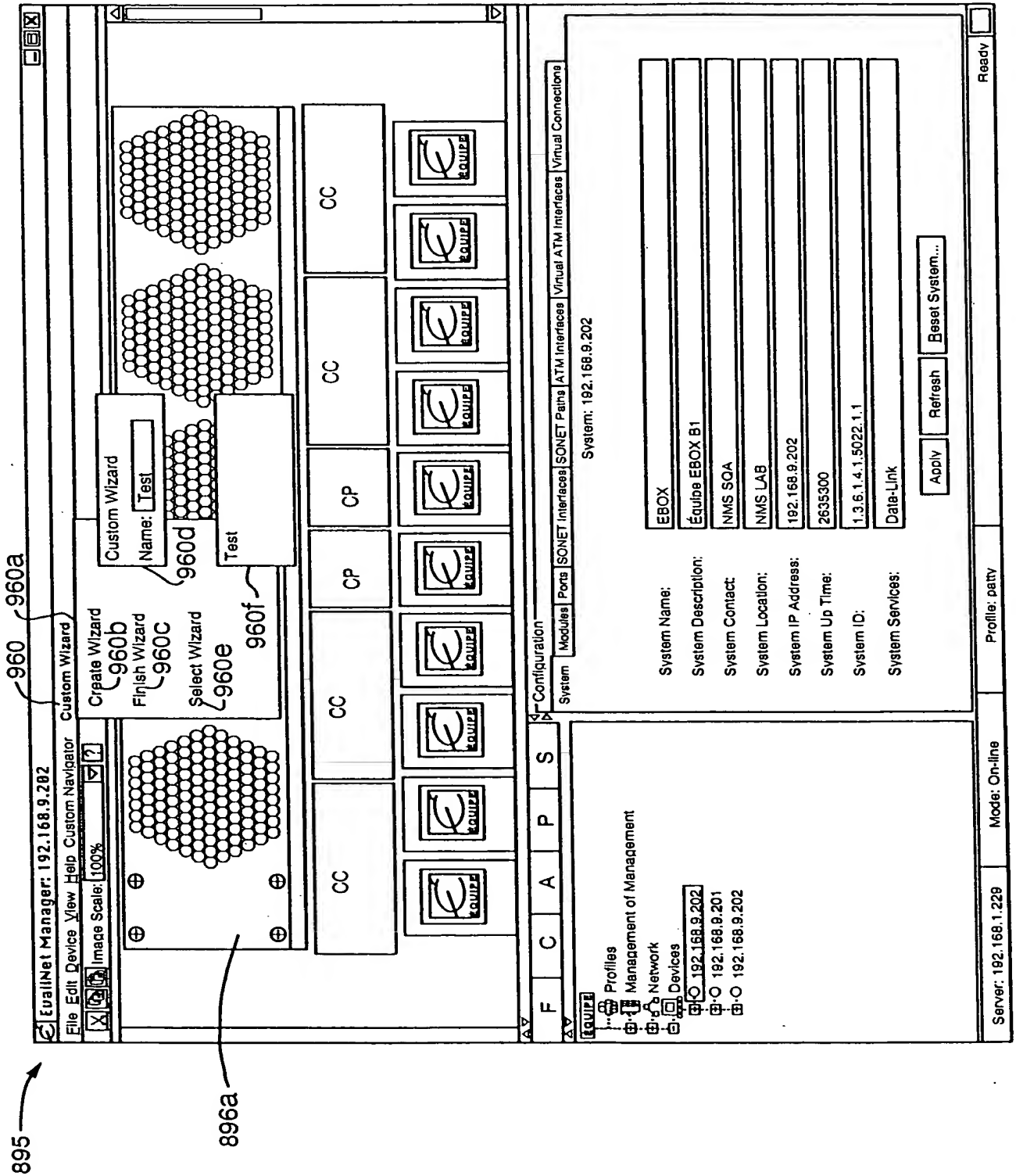


FIG. 4Y



961

EvaiNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

961a

Slot Port Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4 STS-12c paths

Next Cancel

961b

FIG. 4Z

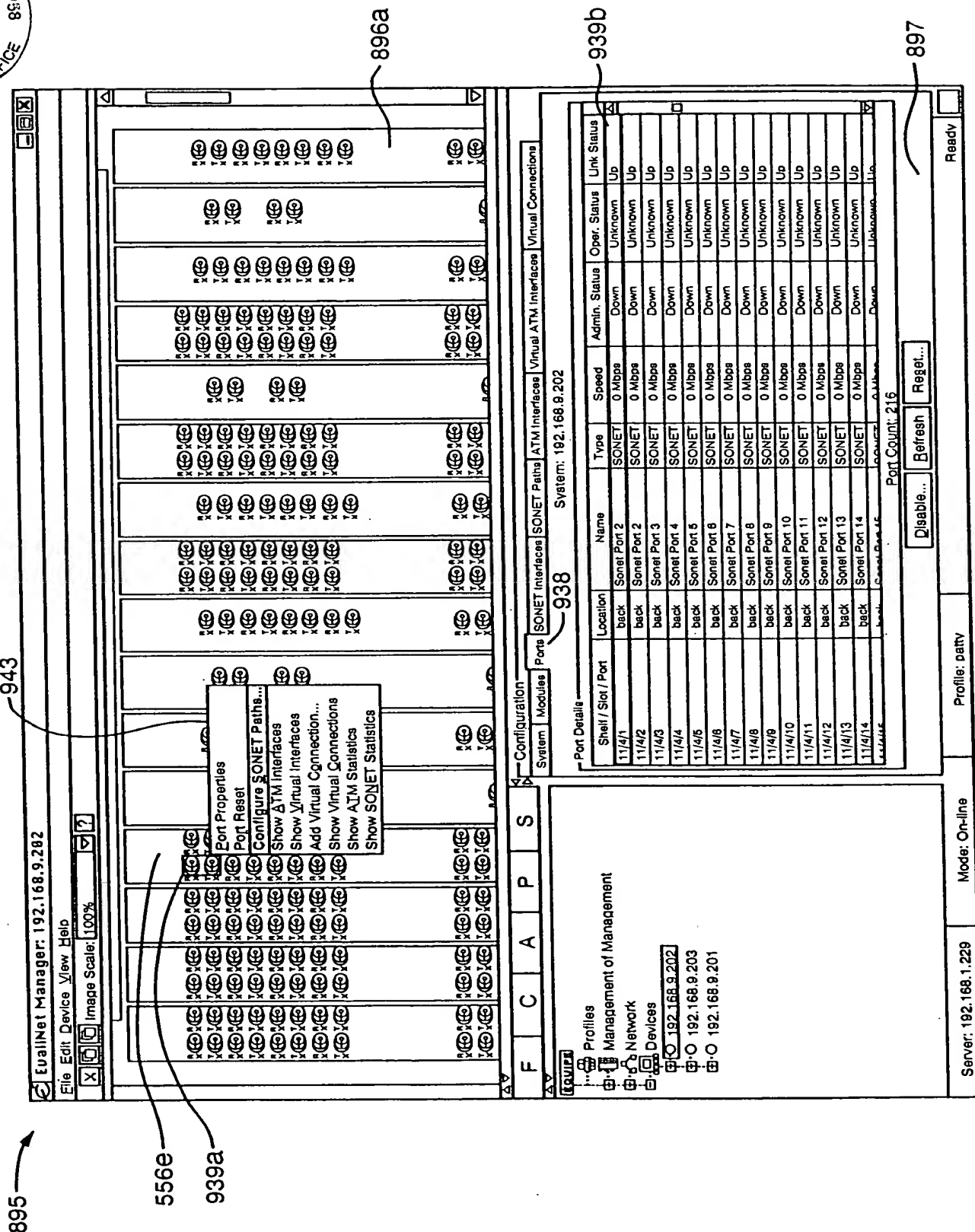


FIG. 5A



944

EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

944a

SONET Path Wizard

944b ☐ Configure a single concatenated path (STS-12c)

944c ☐ Configure

944d ☐ Custom Configuration

4

STS-3c

paths

OK Cancel

944r 944q

FIG. 5B

EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4

Port 1

Type OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12c

944r

OK

Cancel

FIG. 5C

EvaiiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4

Port 1

Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☒ **Configure**

4

▽

STS-3c

944t

▽

paths

944s

☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3c	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3c	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3c	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3c	Termin.	ATM		

944p

Modify

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3c
10	STS-3c

944e

944f

944r

OK

944q

Cancel

FIG. 5D



EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☒ Configure

☐ Custom Configuration

1

STS-12c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12C

944a

944c


944g

944f

944e

944q

FIG. 5E


 EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot
 Port
 Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☐ Custom Configuration

paths

Functions

Available SONET Paths

STS-3C

944i

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3C ~ 944l

STS-3C ~ 944m

STS-3C

STS-3C

944j

944u

944v

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service Ingress Co...	Egress Co...
11/4/1	Path1_11/...	1	STS-3c	Terminated	ATM	<input type="text" value="Δ"/>
11/4/1	Path2_11/...	4	STS-3c	Terminated	ATM	<input type="text" value="Δ"/>
11/4/1	Path3_11/...	7		Terminated	ATM	<input type="text" value="Δ"/>

944p

Modify

Graphical Representation

Position

Width

1

4

STS-3C

STS-3C

944e

944f

944r

OK

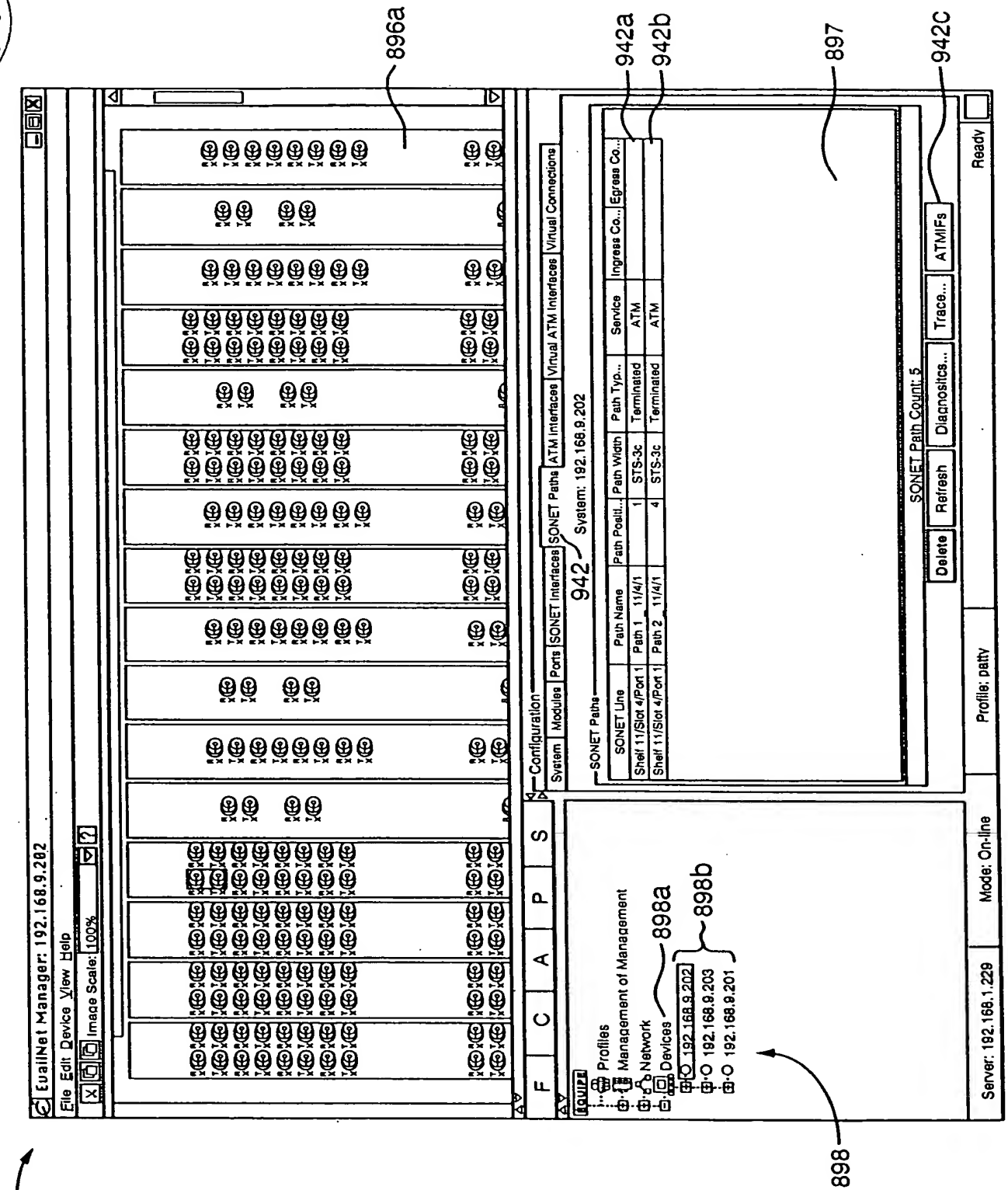
Cancel

944q

FIG. 5F

FIG. 5G

FIG. 5G

H5
F/G.



895

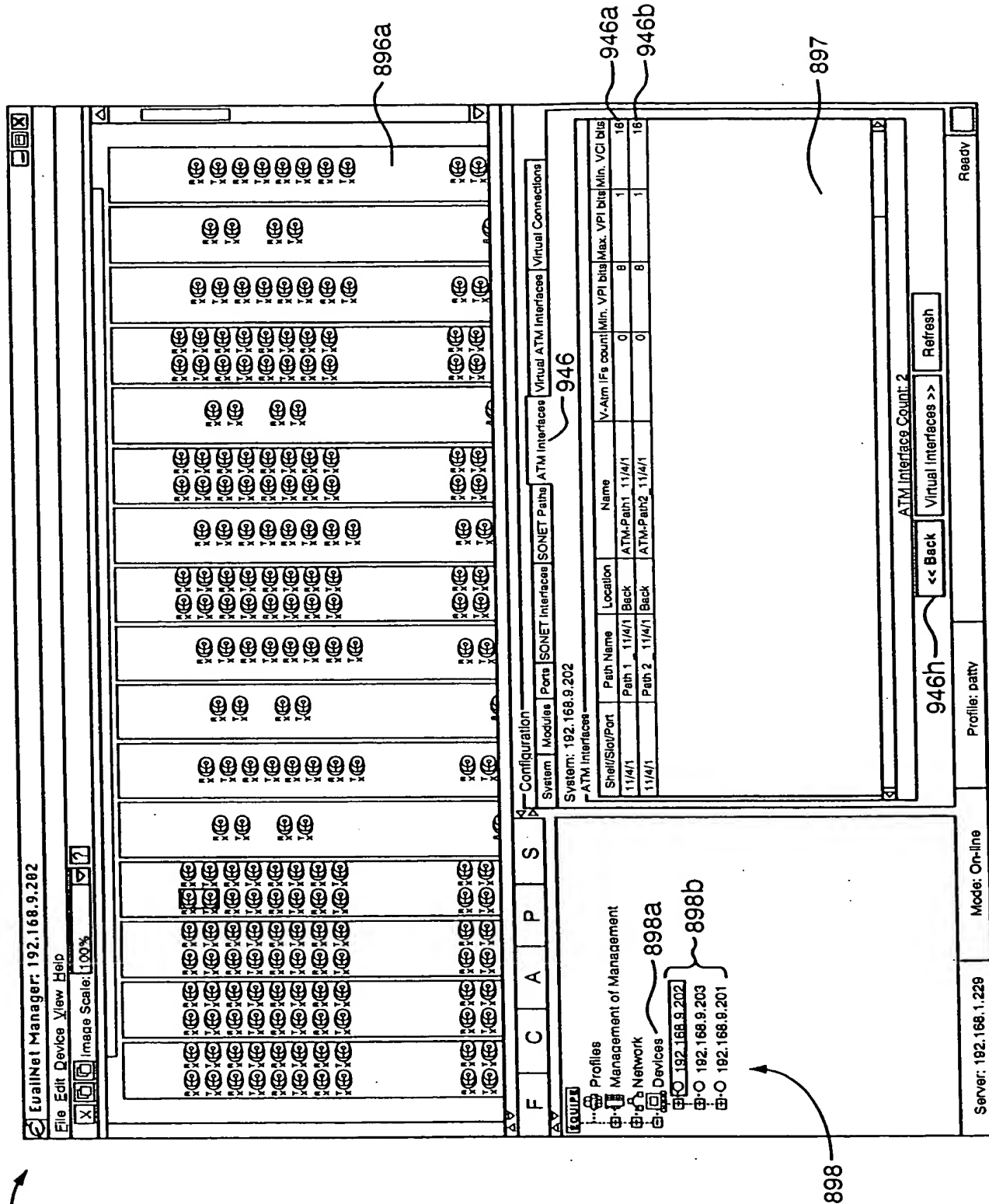


FIG. 51

895

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

556d

941a

896a

949a

898

897

Configuration

System: 192.168.9.202

SONET Paths | ATM Interfaces | Virtual ATM Interfaces | Virtual Connections

SONET Interfaces | Ports | Modules

SONET Lines

Shelf / Slot...	Location	Medium Ty...	Circuit ID	Line Coding	Loopback...	Laser	Path Count
11/4/14	back	SONET		NRZ	Terminal	Disabled	0
11/4/15	back	SONET		NRZ	Terminal	Disabled	0
11/4/16	back	SONET		NRZ	Terminal	Disabled	0
11/5/1	back	SONET		NRZ	Terminal	Disabled	0
11/5/2	back	SONET		NRZ	Terminal	Disabled	0
11/5/3	back	SONET		NRZ	Terminal	Disabled	0
11/5/4	back	SONET		NRZ	Terminal	Disabled	0
11/6/1	back	SONET		NRZ	Terminal	Disabled	0
11/6/2	back	SONET		NRZ	Terminal	Disabled	0
11/6/3	back	SONET		NRZ	Terminal	Disabled	0
11/6/4	back	SONET		NRZ	Terminal	Disabled	0
11/6/5	back	SONET		NRZ	Terminal	Disabled	0
11/6/6	back	SONET		NRZ	Terminal	Disabled	0
11/6/7	back	SONET		NRZ	Terminal	Disabled	0
11/6/8	back	SONET		NRZ	Terminal	Disabled	0

SONET Interface Count: 216

940a Paths... Refresh

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.8.203

192.168.9.201

898a

898b

Server: 192.168.1.228

Mode: On-line

Profile: patty

Ready

EvalNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line 944a

Slot 5 Port 2 Type OC48

SONET Path Wizard 944b

☐ Configure a single concatenated path (STS-48c) 944c

☒ Configure 944d

☐ Custom Configuration

4

STS-12c

paths

Ok Cancel

944

FIG. 5K

FIG. 5L

FIG. 5L



EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

Configure

Custom Configuration

4

STS-12c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-12c	Termin.	ATM		
11/5/2	Path2_11/...	13	STS-12c	Termin.	ATM		
11/5/2	Path3_11/...	25	STS-12c	Termin.	ATM		
11/5/2	Path4_11/...	37	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

13

25

37

STS-12c

STS-12c

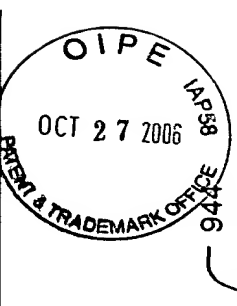
STS-12c

STS-12c

OK

Cancel

FIG. 5M



EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

Configure

Custom Configuration

1

1

4

16

paths

STS-48C

944s

944t

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-48c	Termin.	ATM		

944p Modify

Graphical Representation

Position

Width

1

STS-48C

944e

944f

944a

944b

944c

944d

944g

944r

944q

FIG. 5N

EvaiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
 ☒

16

 STS-3C paths
 ☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-3c	Termin.	ATM		
11/5/2	Path2_11/5/2	4	STS-3c	Termin.	ATM		
11/5/2	Path3_11/5/2	7	STS-3c	Termin.	ATM		
11/5/2	Path4_11/5/2	10	STS-3c	Termin.	ATM		
11/5/2	Path5_11/5/2	13	STS-3c	Termin.	ATM		
11/5/2	Path6_11/5/2	16	STS-3c	Termin.	ATM		
11/5/2	Path7_11/5/2	19	STS-3c	Termin.	ATM		

Graphical Representation

Position

Width

944f

944e

944r

944q

944p

944t

944s

944d

944c

944b

944a

944

FIG. 50

EvaiNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

Configure a single concatenated path (STS-12c)

Configure

16 STS-3C paths

Custom Configuration

Functions

Available SONET Paths

STS-3C
STS-12c

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3C
STS-3C
STS-3C
STS-3C
STS-12C

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service Ingress Co...	Egress Co...
11/5/2	Path1_11/...	1	STS-3c	Terminated	ATM	
11/5/2	Path2_11/...	4	STS-3c	Terminated	ATM	
11/5/2	Path3_11/...	7		Terminated	ATM	

Modify

OK Cancel

Graphical Representation

Position Width

STS-3C

STS-3C

STS-3

STS-3

STS-12C

STS-12C

1

4

7

10

22

34

944e 944f

FIG. 5P

951-951b-951a-951c

895

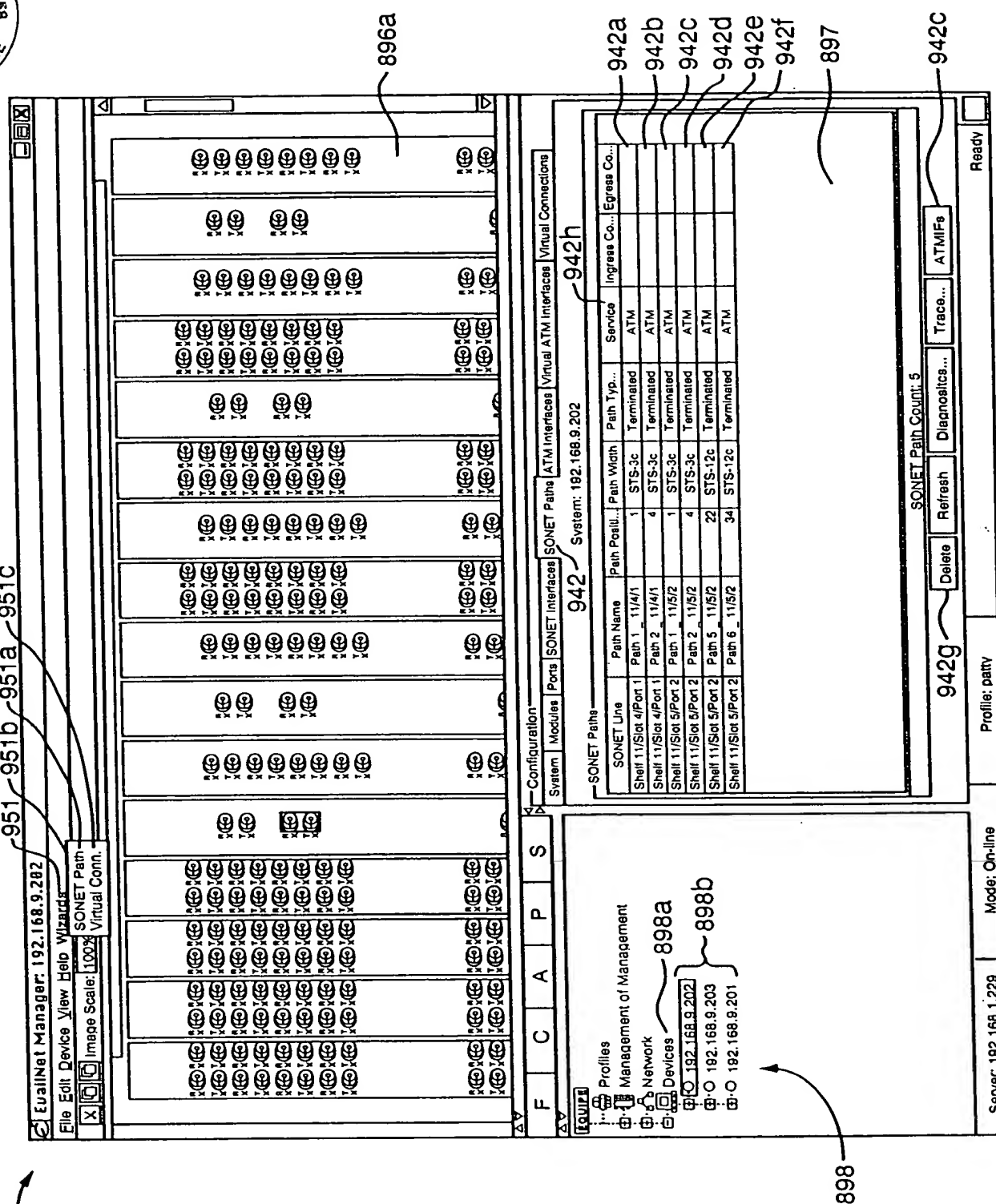
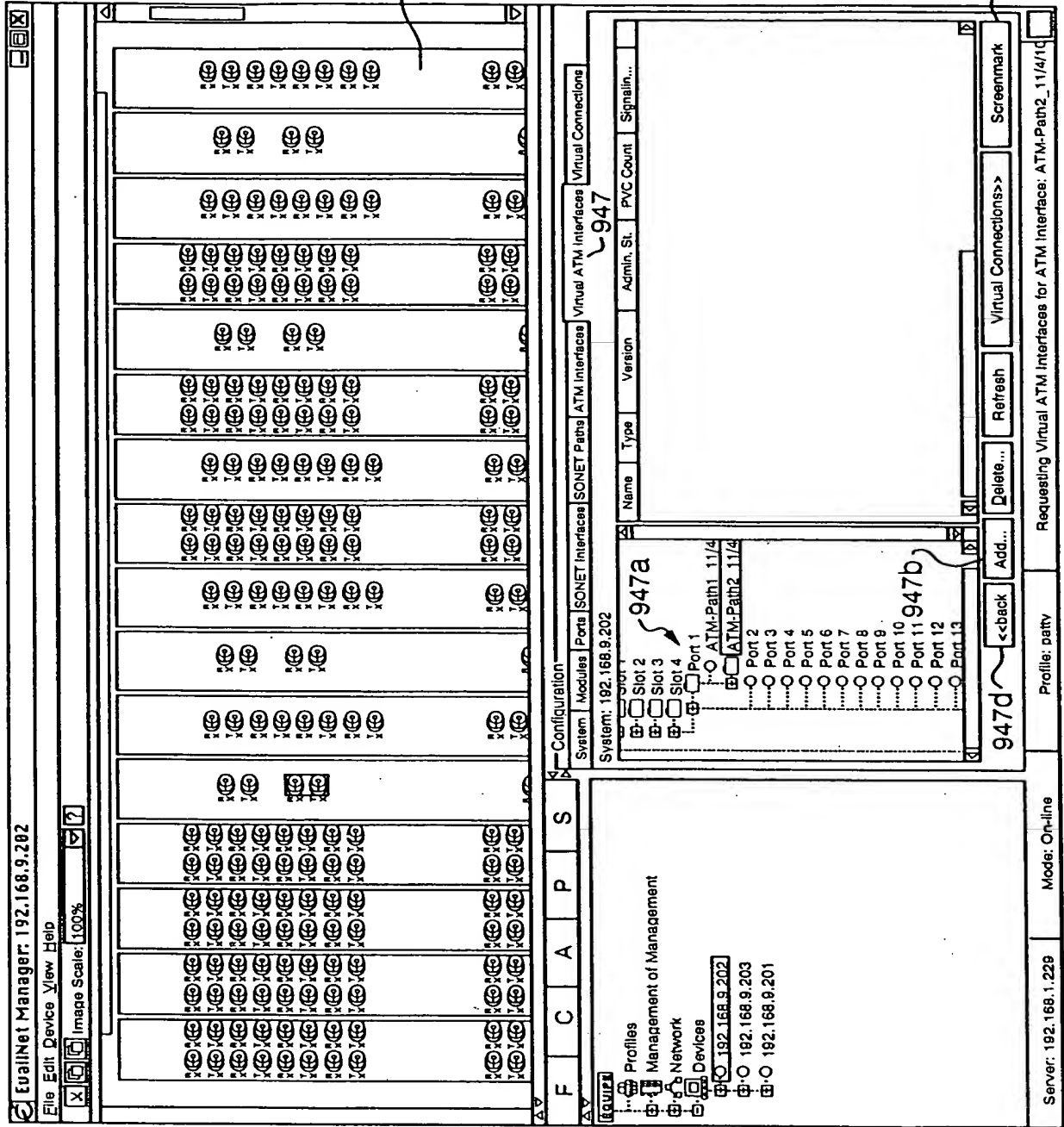


FIG. 5Q



FIG. 5R



950

Add U-ATM Interface - 192.168.9.202 X

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/4/1

Virtual ATM Interface Parameters

950d	Name	test1
950a	Connection Type	Direct Link
950b	Version	UNI Network 3.1
950c	Admin Status	Up

950e

OK Cancel

FIG. 5T

FIG. 5U

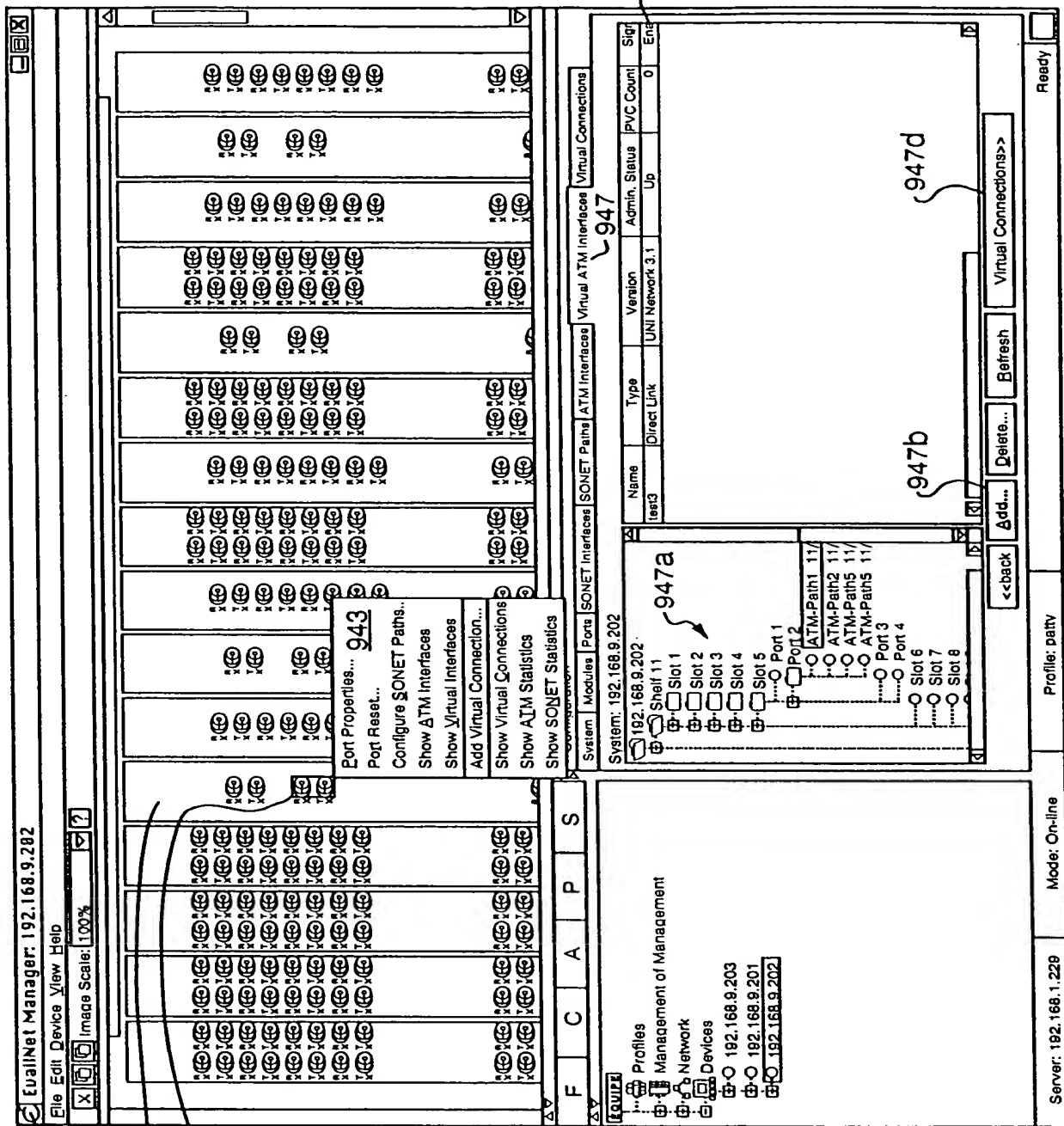


FIG. 5V



952

EvailNet Manager: 192.168.9.202 - Virtual Connection Wizard

Connection Topology

What type of connection do you want?

☒ Point to Point ☐ Point to Multipoint

Connection Type

Do you want to create a Virtual Path or a Virtual Channel?

☒ Virtual Path Connection (VPC) ☐ Virtual Channel Connection (VCC)

☐ Soft (SPVPC/SPVCC)

providing
the optical
on-ramp™

Welcome to
EQUIPE Communications

Next>> Cancel

FIG. 5W

953

Source: 192.168.9.202
Destination: 192.168.9.202

953a End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - ATM-Path2_11/4/1
 - test1
 - test2
 - Port 2
 - Port 3
 - Port 4

953b

End Point 1

- Slot 3
 - Port 1
 - test3
 - Port 2
 - ATM-Path1_11/5/2
 - ATM-Path2_11/5/2
 - ATM-Path5_11/5/2

953c

953d

953e Connection Parameters

Connection Name:

Admin Status: 953h

Customer Name:

953f End Point 1 Parameters:

VPI: ☒ Use Any VPI Value 953k

VCI: ☐ Use Any VCI Value 953o

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

953g End Point 2 Parameters:

VPI: ☒ Use Any VPI Value 953l

VCI: ☐ Use Any VCI Value 953p

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive 953t

953u 953w 953v

FIG. 5X



76/289

956

NEW TRAFFIC
DESCRIPTOR

NAME:

QoS CLASS:

▼

TYPE:

▼

OK

CANCEL

FIG. 5Y

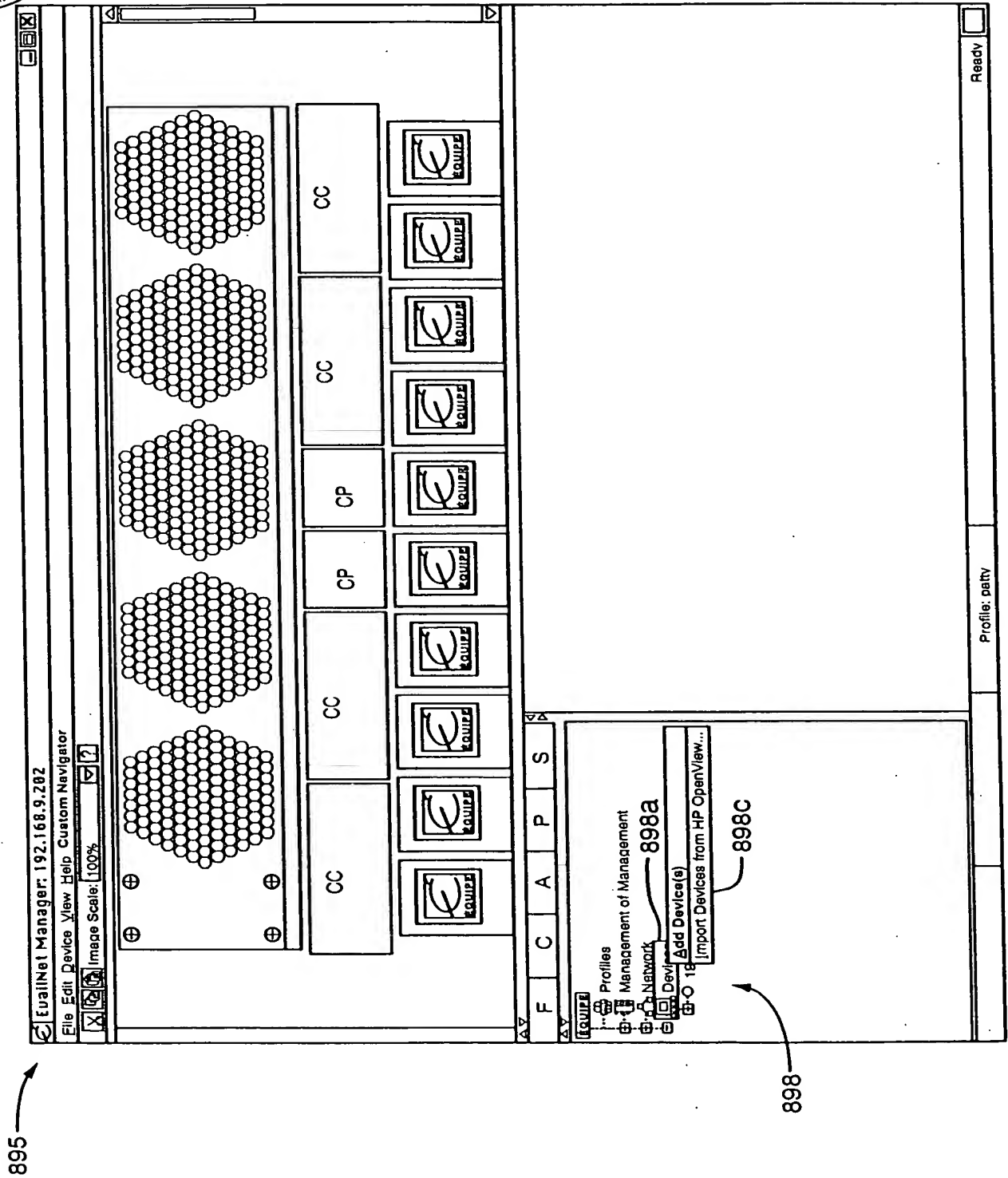


FIG. 6A

FIG. 6B is a screenshot of a Windows-style dialog box titled "AddDeleteDeviceDlg". The dialog box contains the following elements:

- A text input field labeled "Enter device to add" (898e) containing the IP address "192.168.9.201".
- A checkbox labeled "Manage device in on-line mode" (898k) which is currently unchecked. A label "898l" points to this checkbox.
- An "Add" button (898f) located to the right of the checkbox.
- A "Device List" section (898d) containing a list box labeled "On-Line Device" (898g) which is currently empty.
- Three buttons at the bottom: "OK", "Cancel", and "Delete".

FIG. 6B

FIG. 6C is a screenshot of the same "AddDeleteDeviceDlg" dialog box, but in a different state. The elements are:

- The "Enter device to add" text input field is now empty.
- The "Manage device in on-line mode" checkbox (898k) remains unchecked.
- The "Add" button is still present.
- The "Device List" section (898d) now contains one entry in the "On-Line Device" list box (898g). The entry consists of an unchecked checkbox (898m) followed by the IP address "192.168.9.201".
- The "OK", "Cancel", and "Delete" buttons remain at the bottom.

FIG. 6C



895

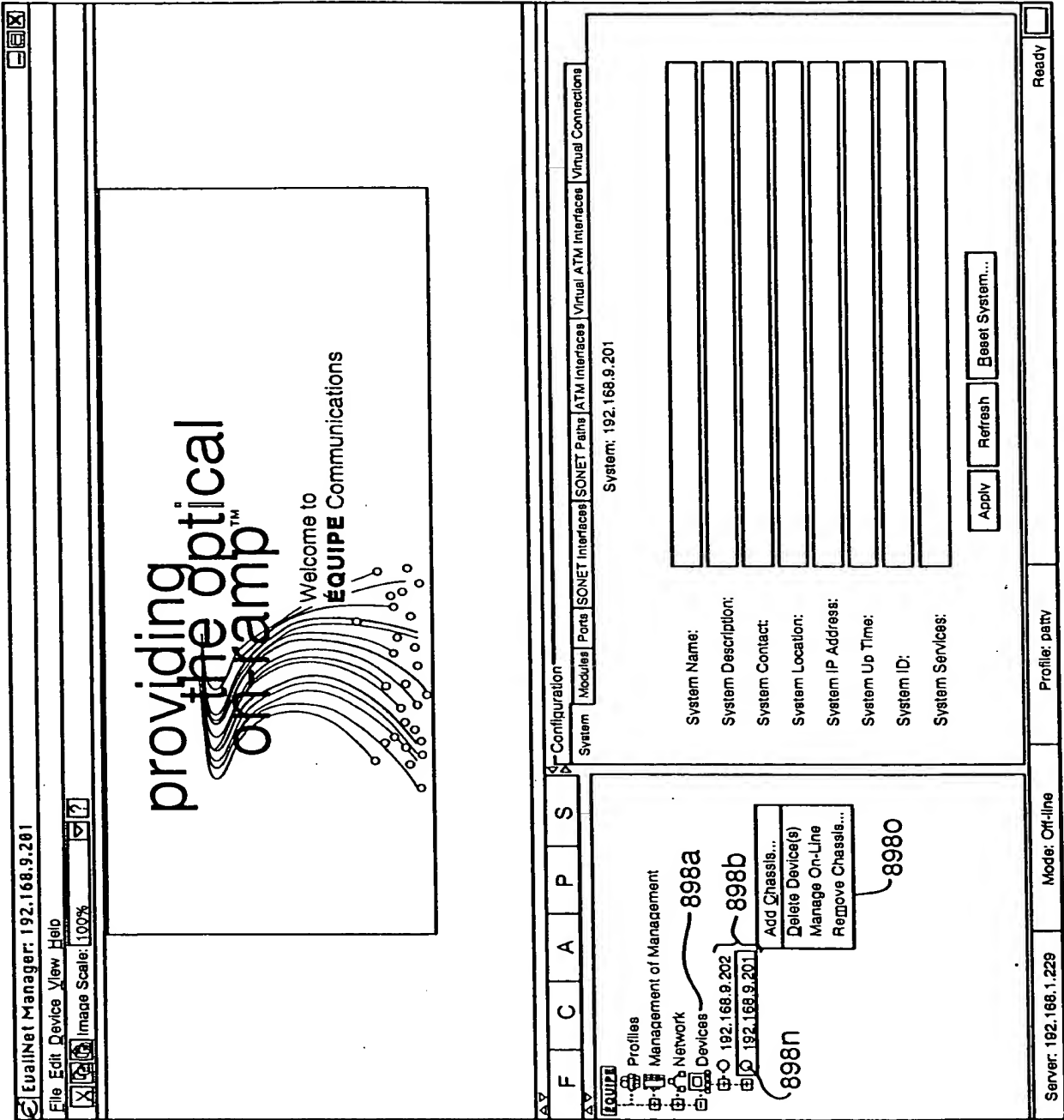


FIG. 6D

895

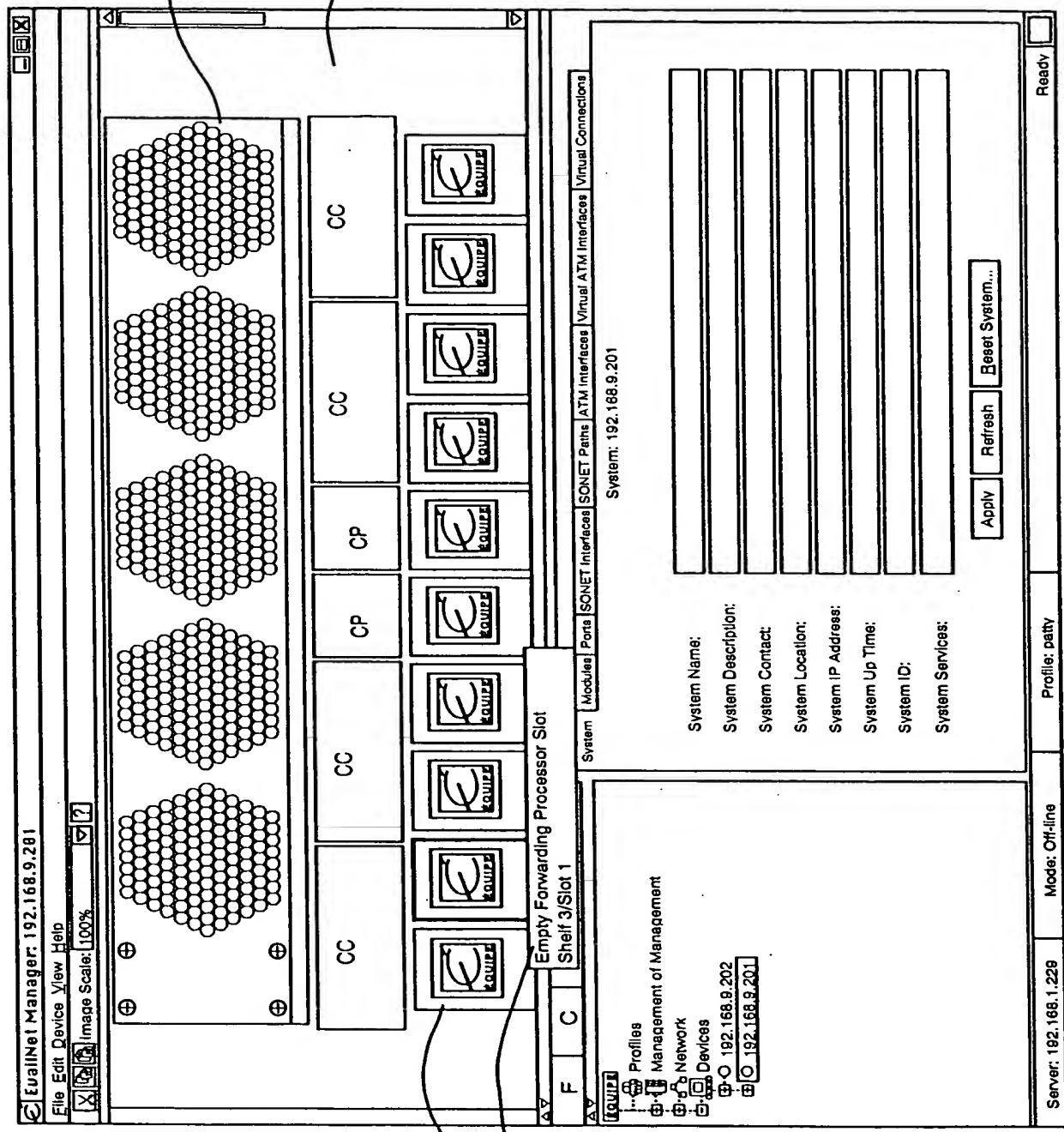
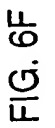


FIG. 6E



895

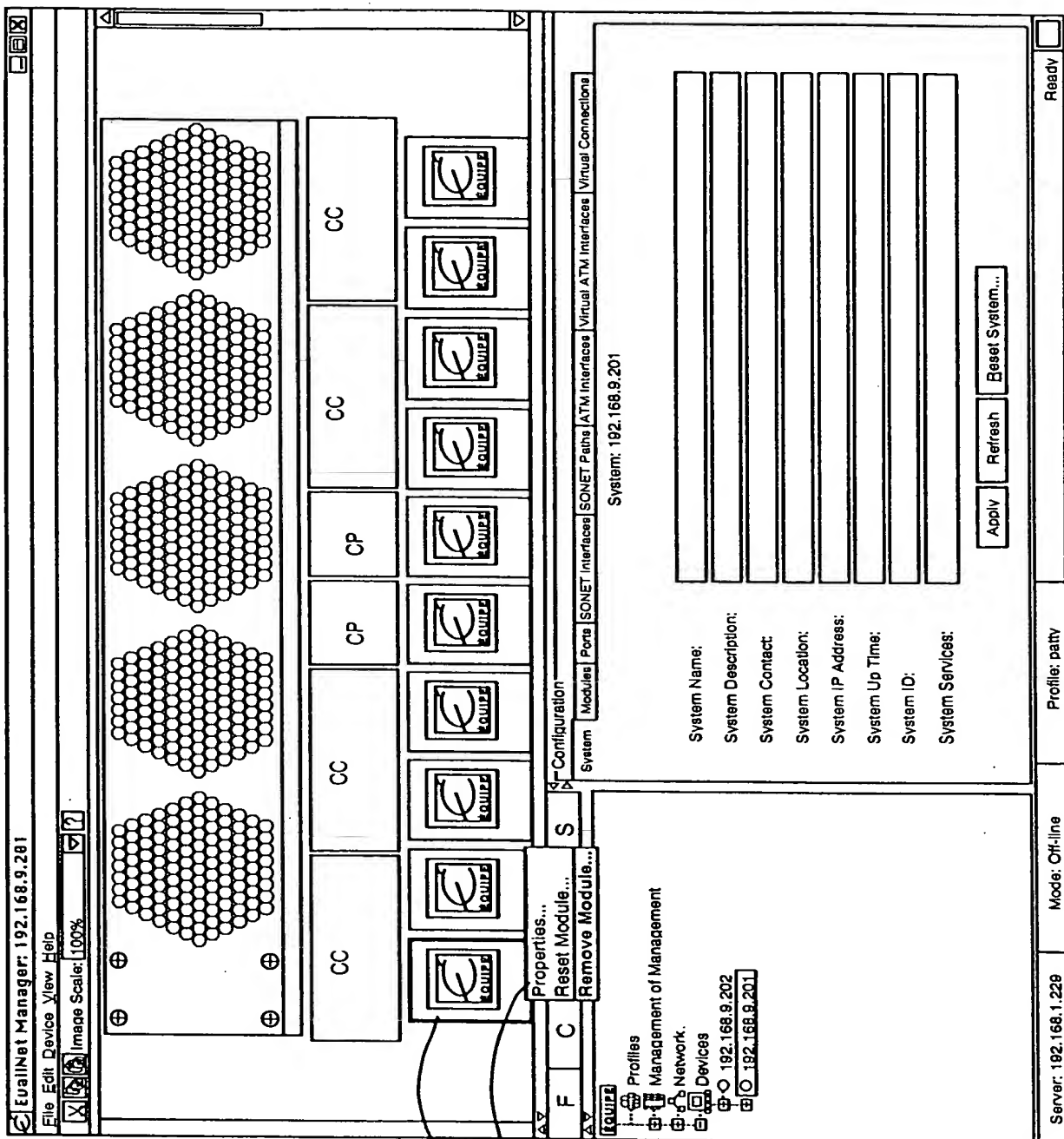
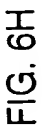


FIG. 6G



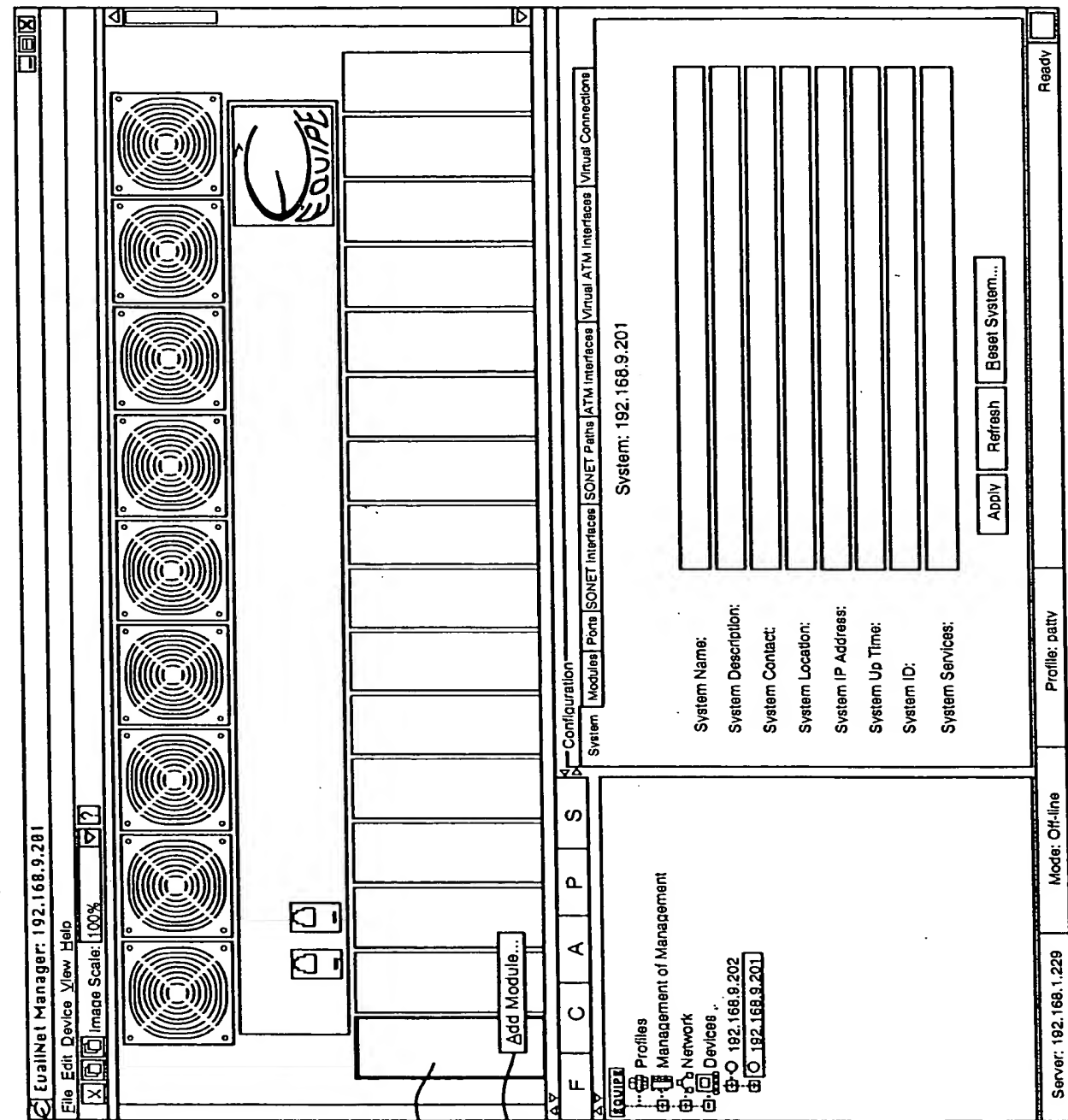


FIG. 6I

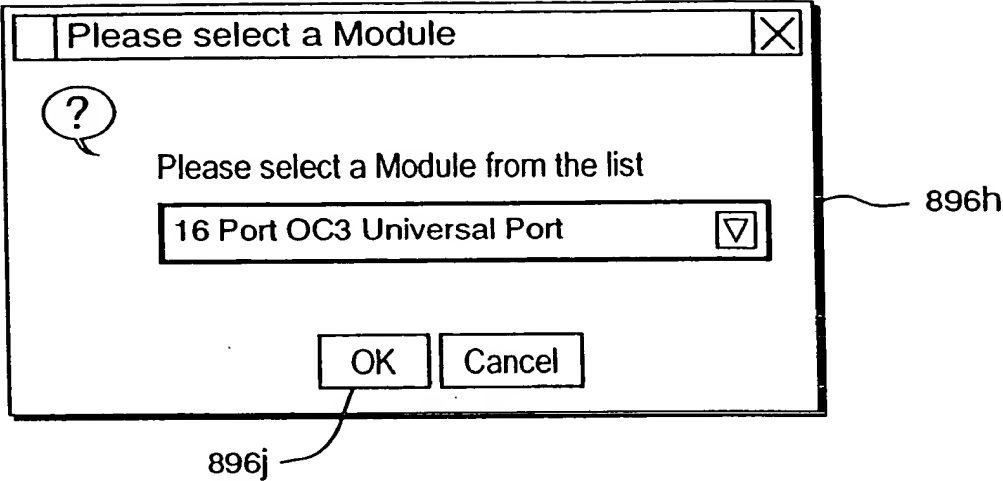


FIG. 6J

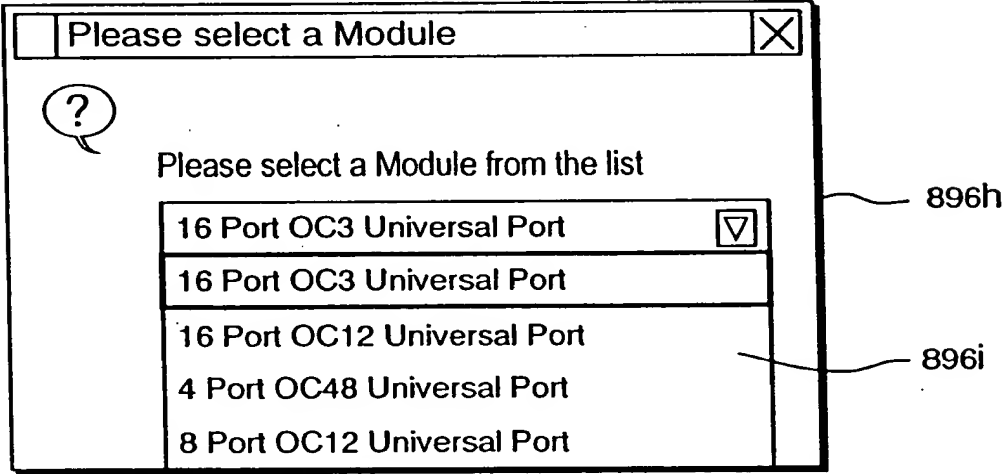


FIG. 6K



895

556i
556h

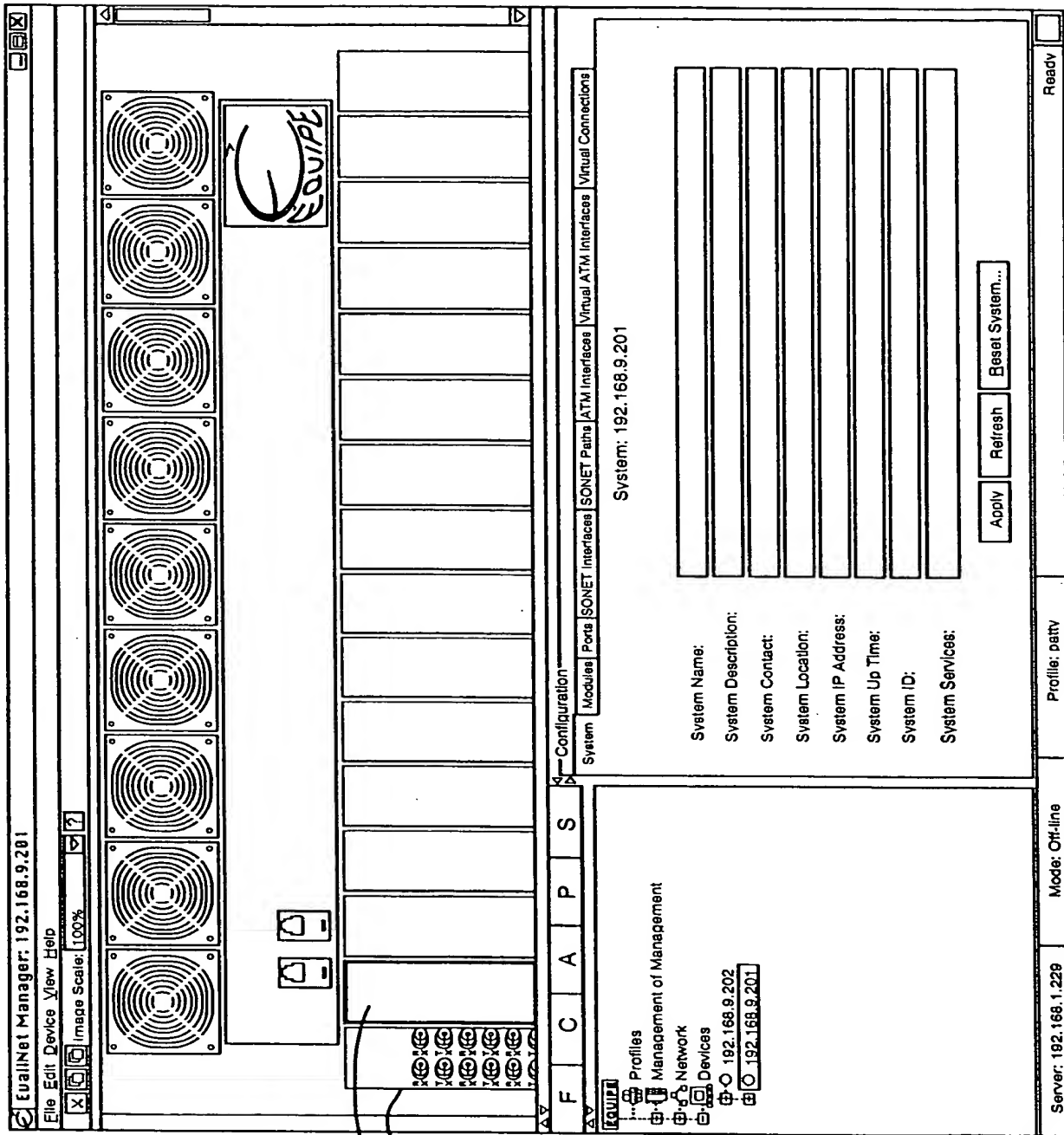


FIG. 6L

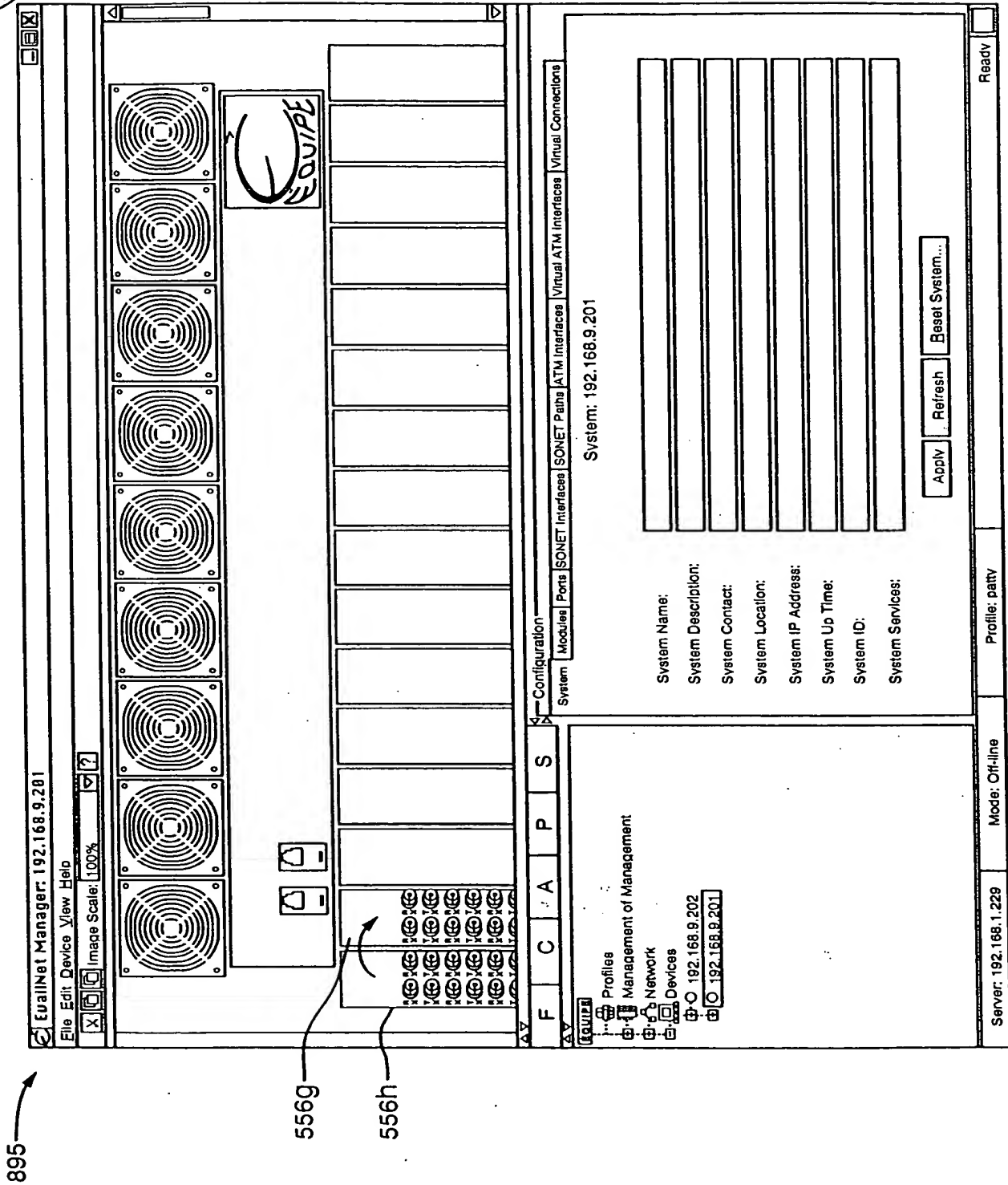


FIG. 6M

895

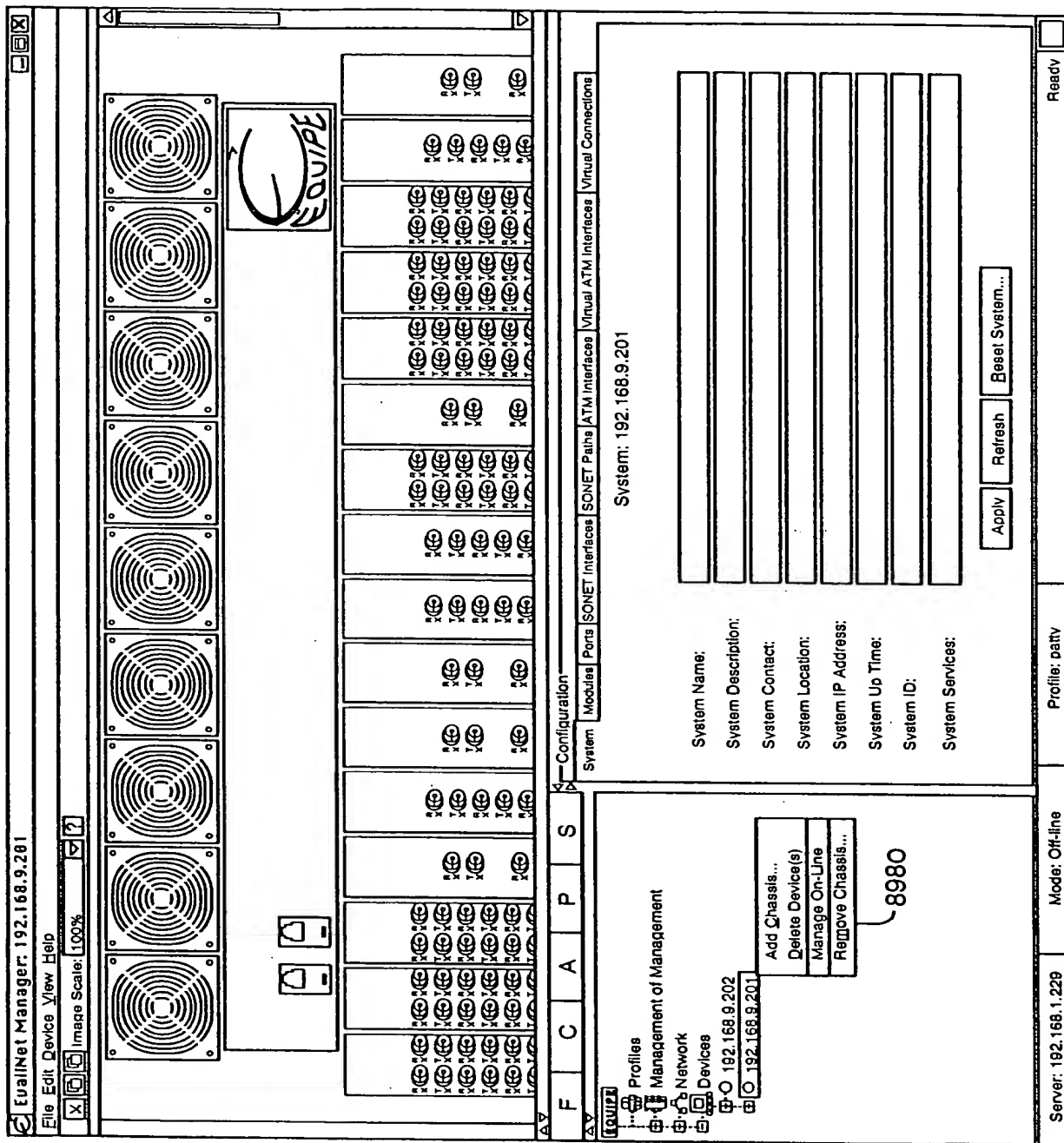


FIG. 6N



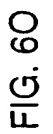


Fig. 60

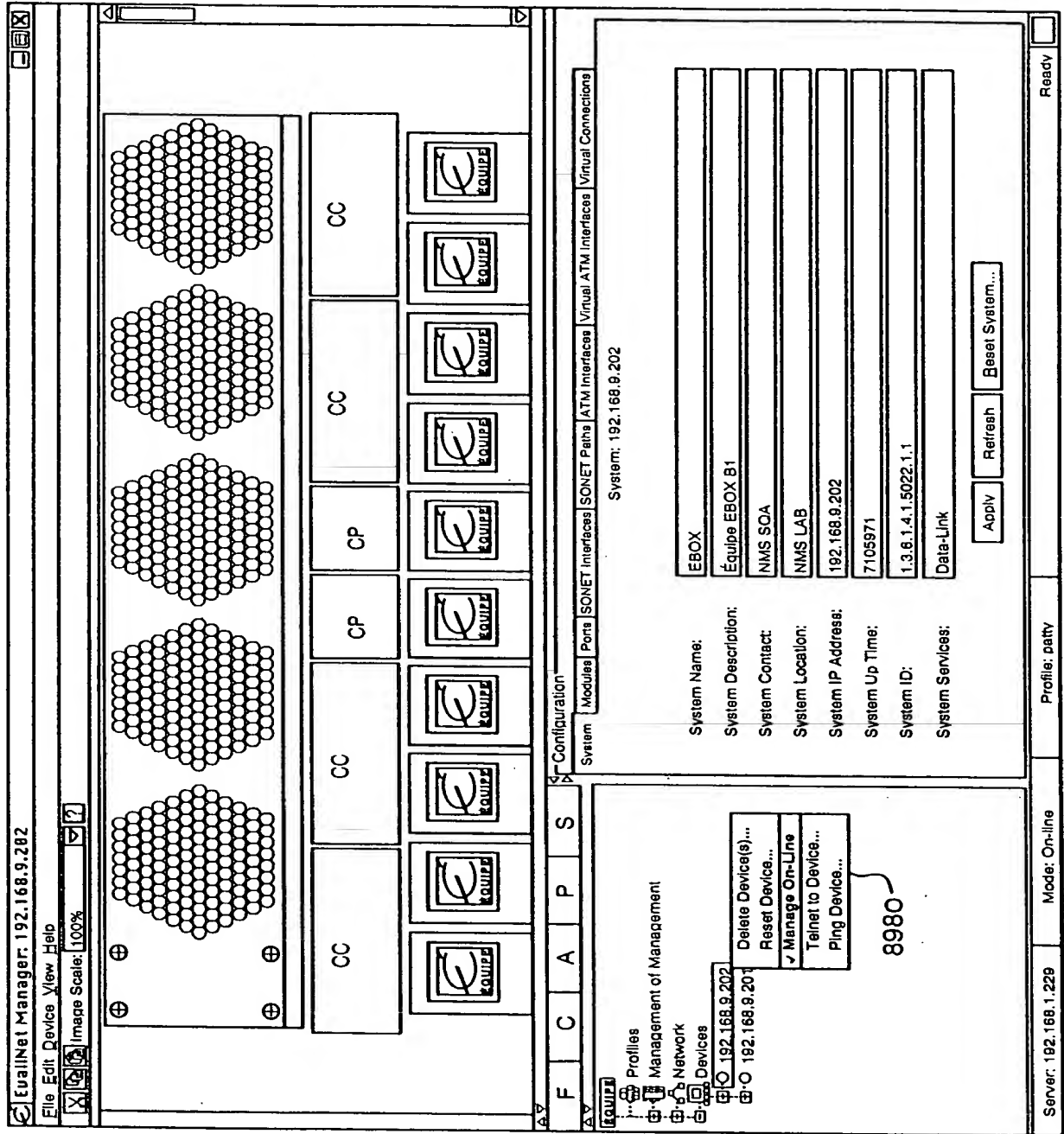
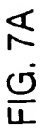


Fig. 6P





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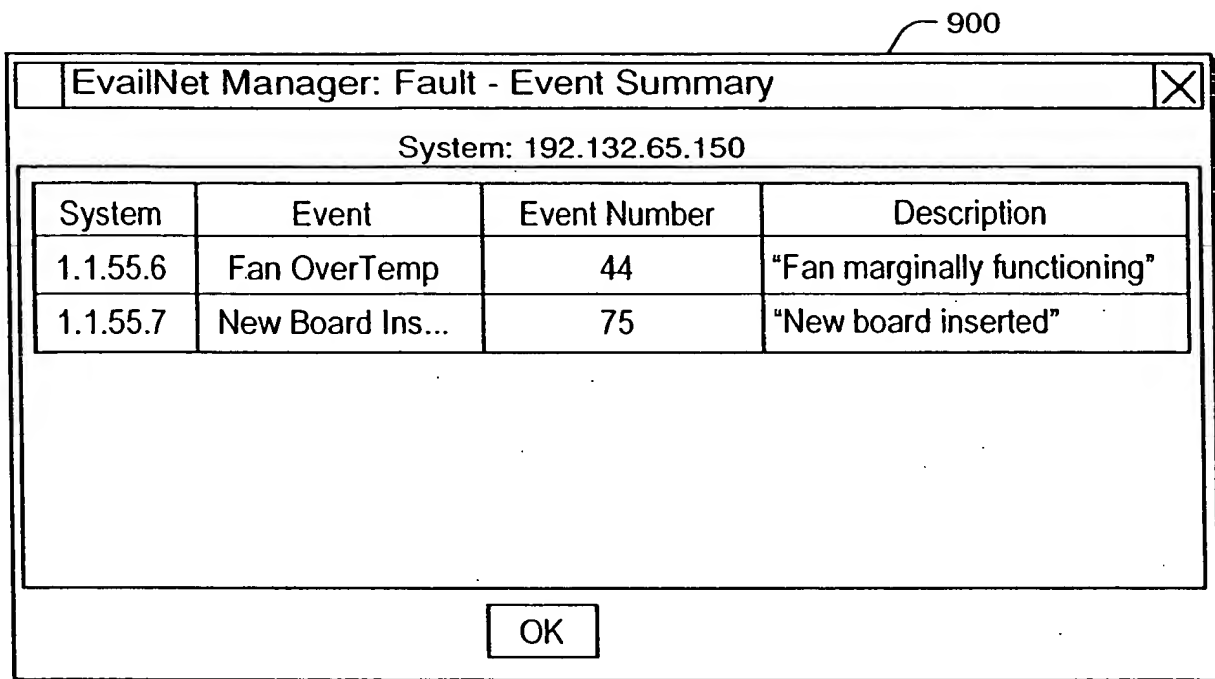


FIG. 7B

EVALNET Manager: 192.168.9.282					
File Edit Device View Help					
Image Scale: 50%					
<div>Security</div> <div>SHMP Configuration Changes</div> <div>System: 192.168.9.202</div> <div>SHMP Community Strings</div> <div>READ Community:</div> <div>public</div> <div>READ/WRITE Community:</div> <div>public</div> <div>Command Line Interpreter (CLI)</div> <div>Administrator Password:</div> <div>root</div> <div>Apply</div>					
<div>899a</div> <div>899b</div> <div>899c</div> <div>899d</div> <div>899e</div> <div>F</div> <div>C</div> <div>A</div> <div>P</div> <div>S</div>					
<div>Book Marks</div> <div>Configure PVC</div> <div>EQUIP</div> <div>Profiles</div> <div>Management of Management</div> <div>Server: 192.168.9.202</div> <div>Mode: On-line</div> <div>Profile:</div> <div>Ready</div>					

895

EvalNet Manager: 192.168.9.201

File Edit Device View Help

Image Scale: 50%

Configuration

System Modules Ports SONET Interfaces S

System: 192.168.9.201

934 936 938 940 942 946 947 948

System Name: 192.168.9.201

System Description: Équipe EBOX B1

System Contact: NMS SOA

System Location: NMS LAB

System IP Address: 192.168.9.201

System Up Time: 60985554

System ID: 1.3.6.1.4.1.5022.1.1

System Services: Data-Link

Apply Refresh Reset System...

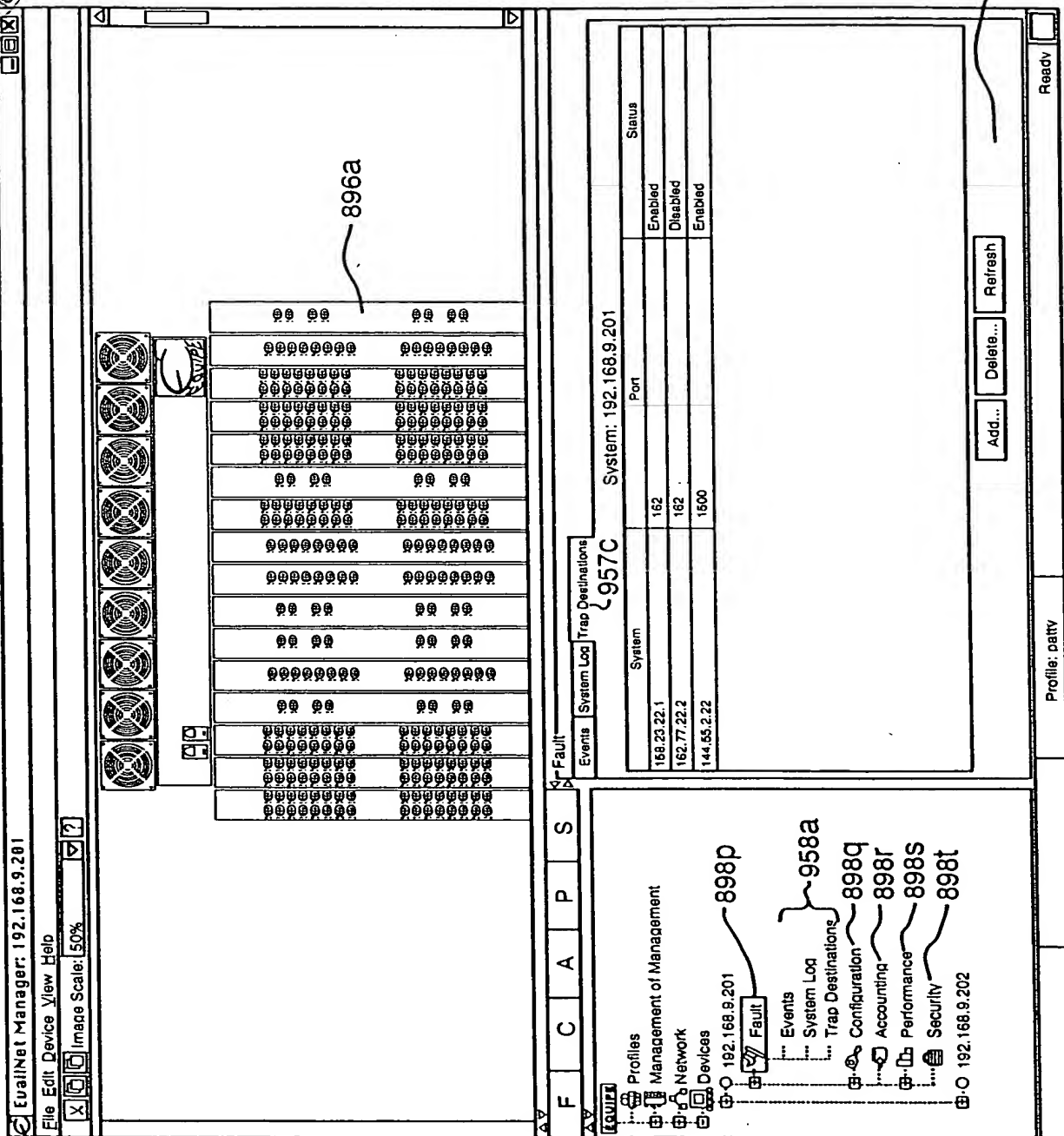
Ready

Profile: patty

898

897

FIG. 7D



895

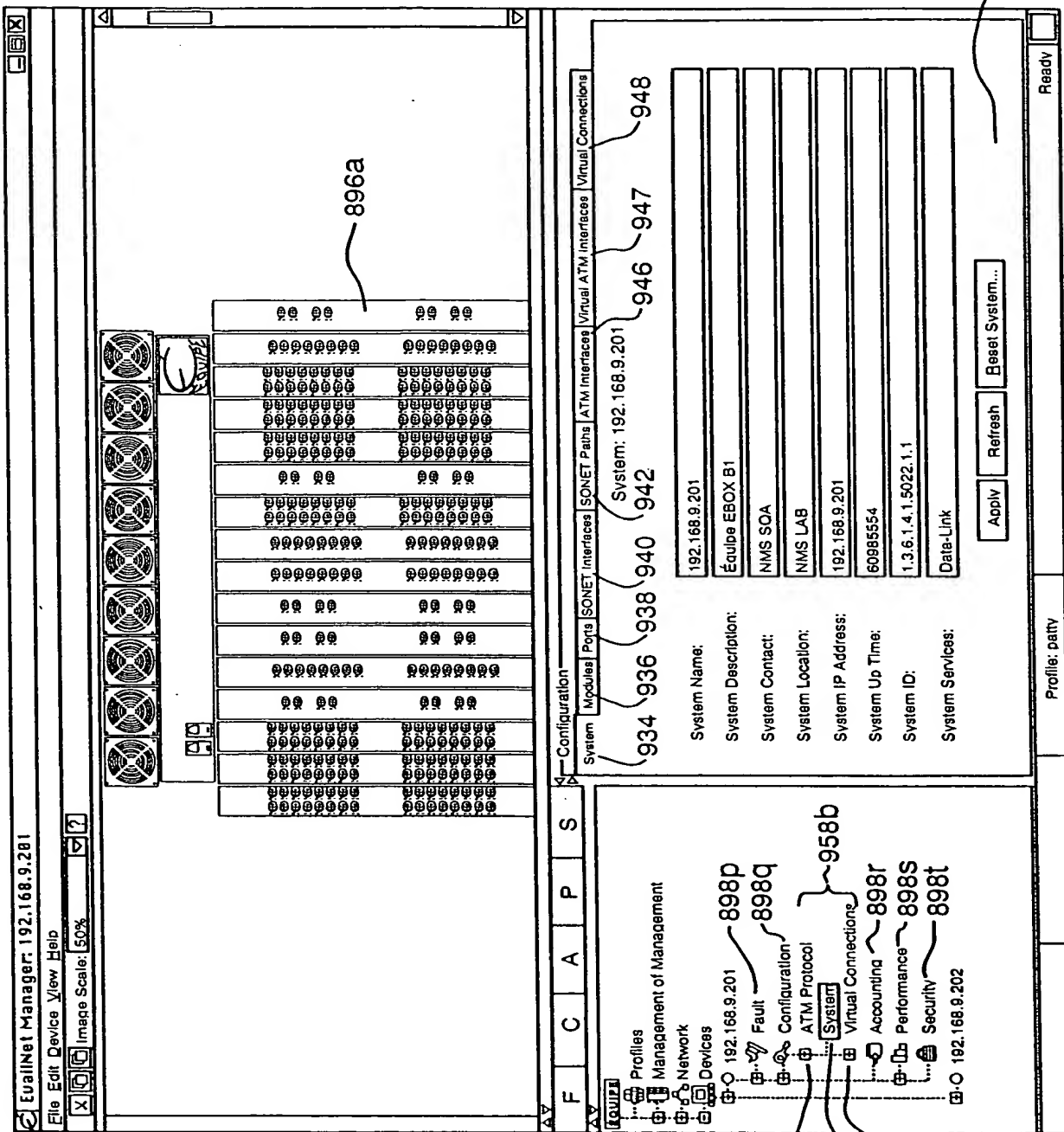


FIG. 7H

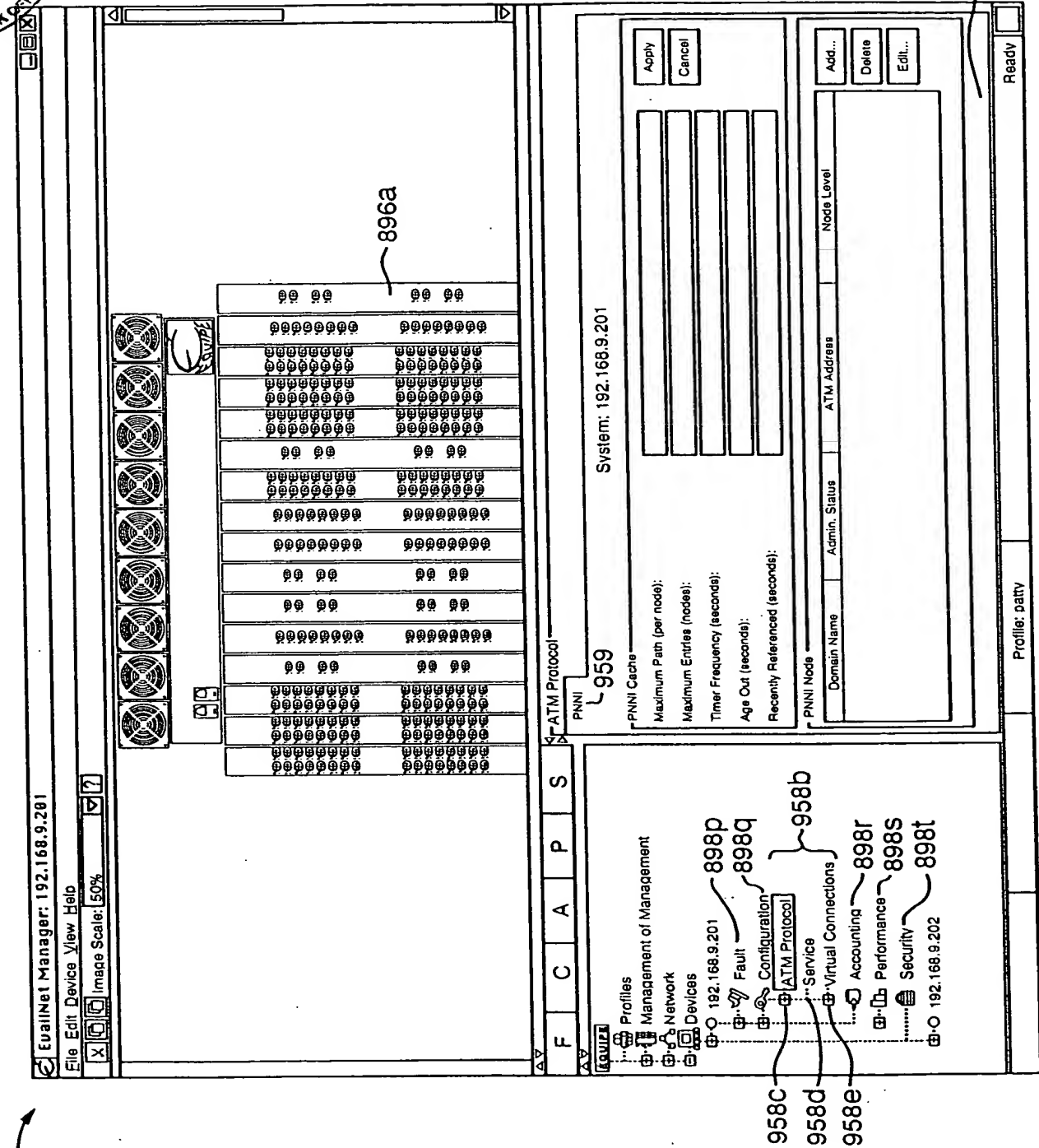


FIG. 7K

895 ↗

[illegible]

FIG. 7L

895

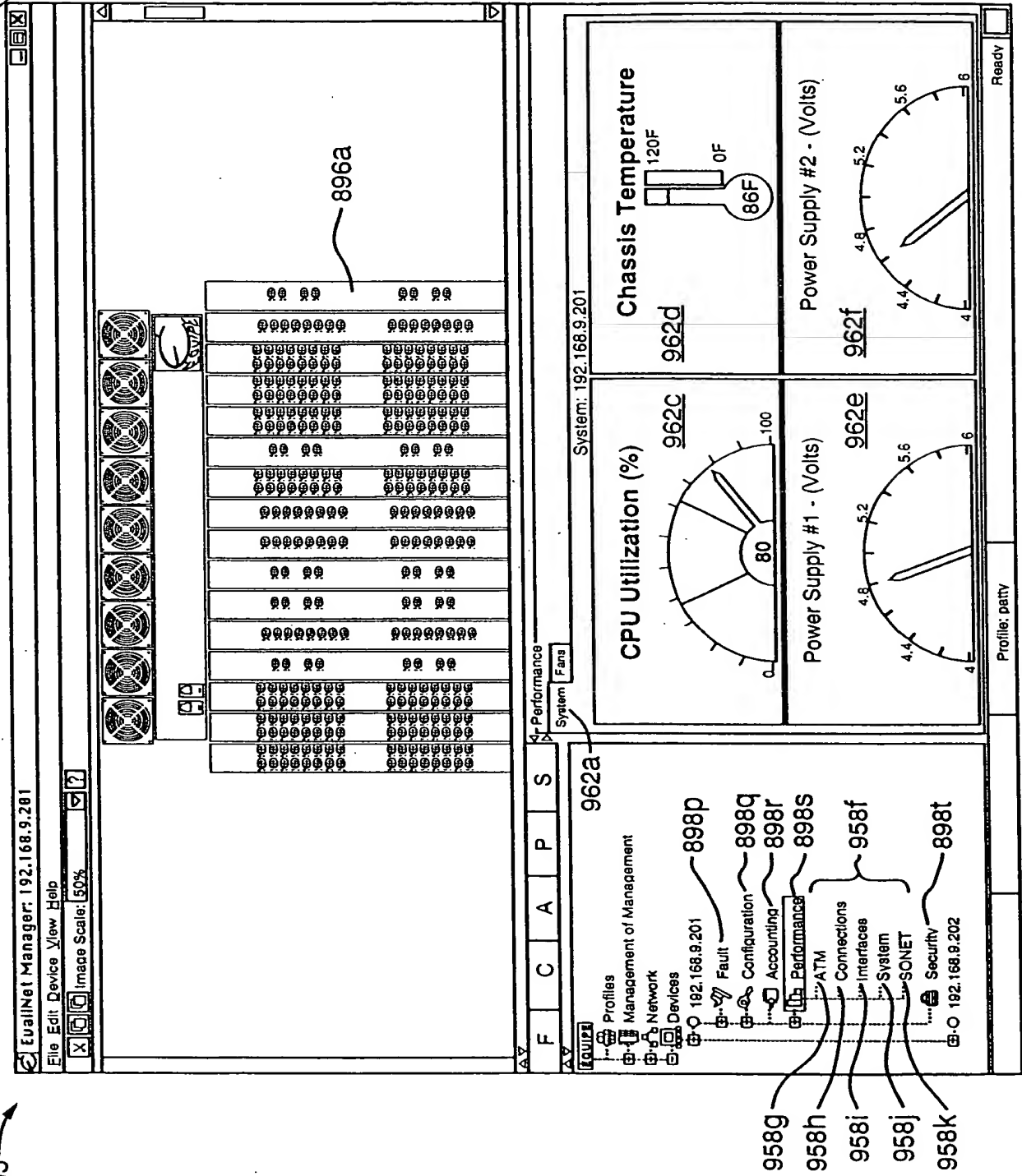


FIG. 7M

895

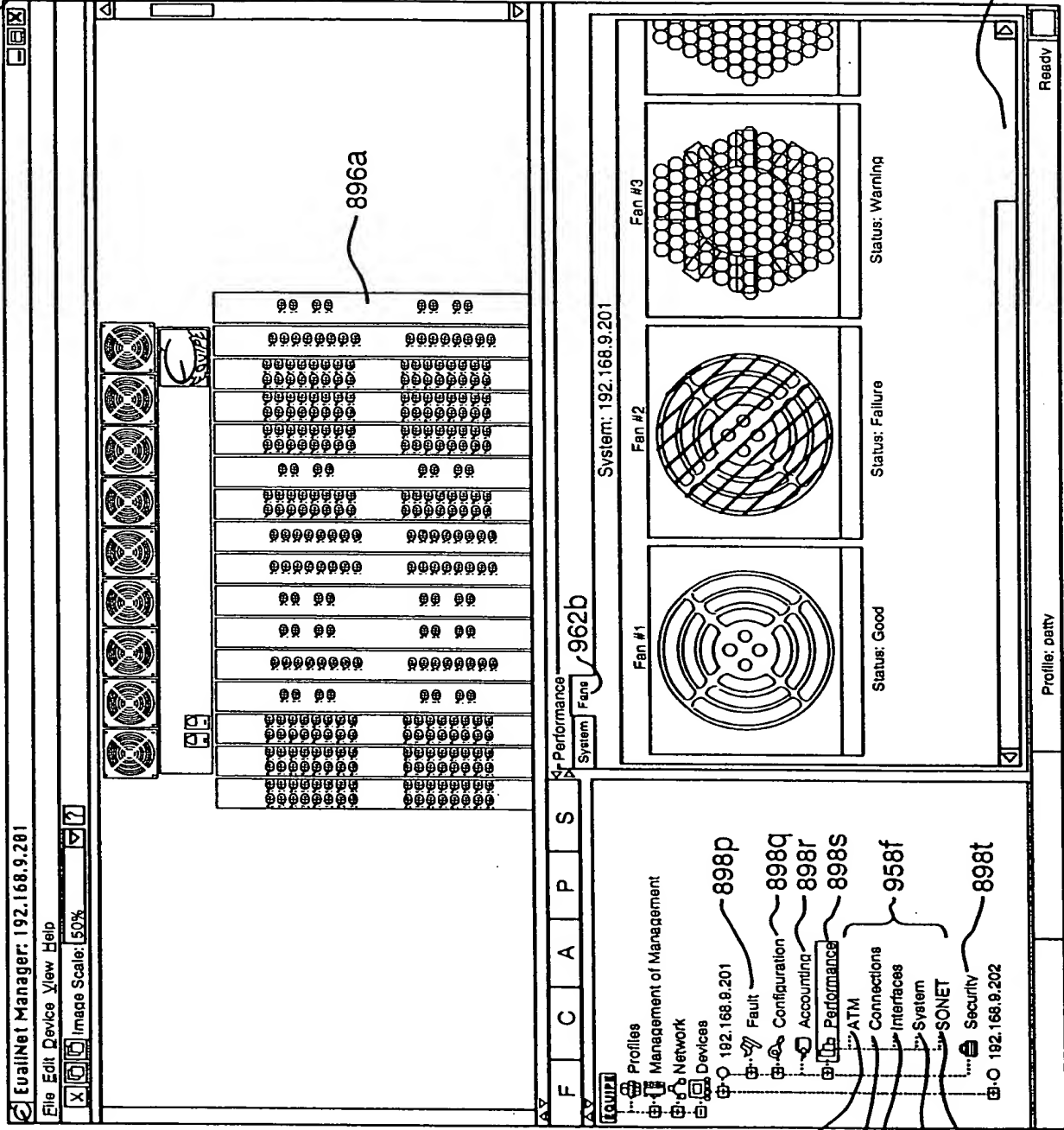


FIG. 7N

895

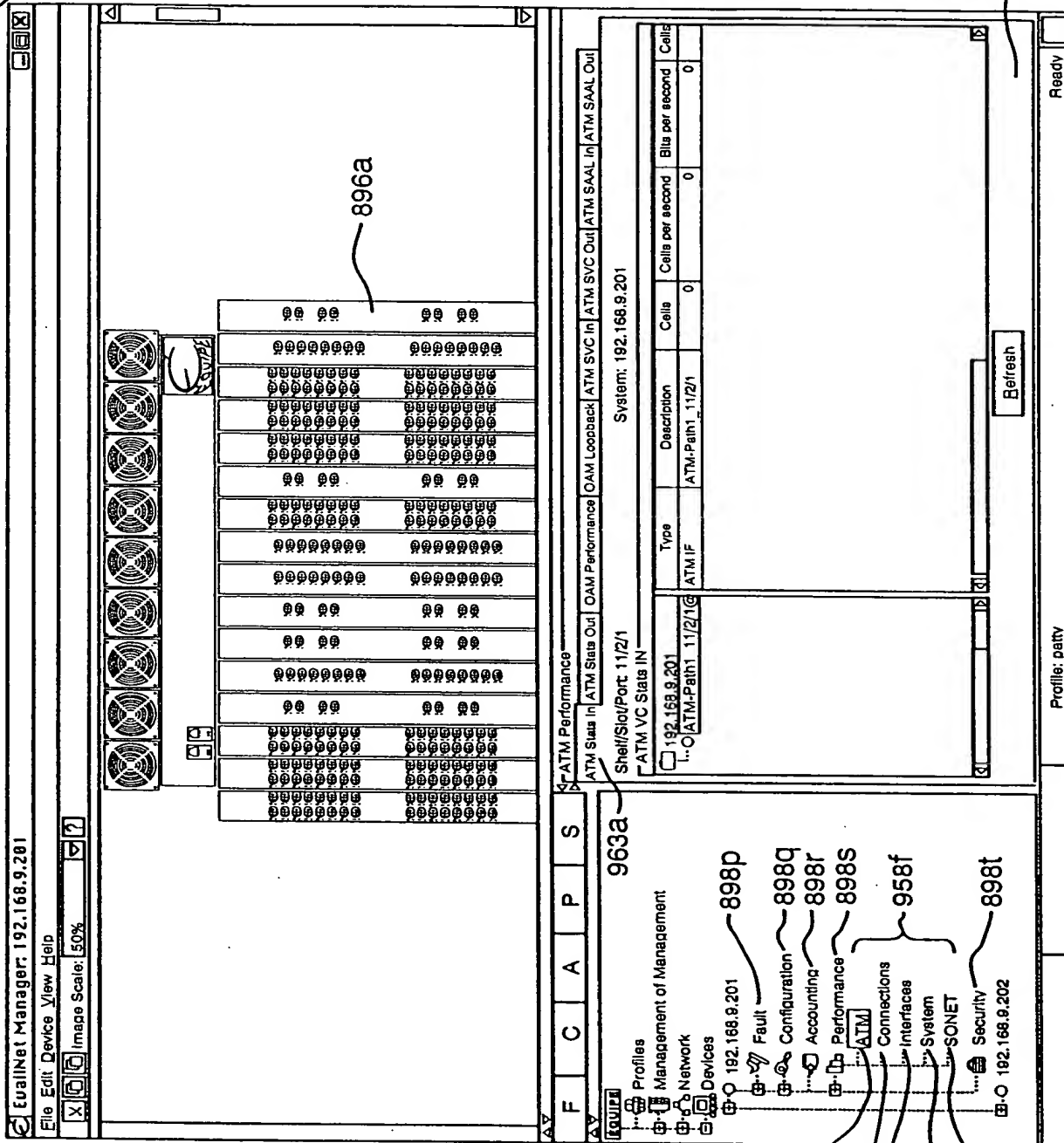


FIG. 70

895

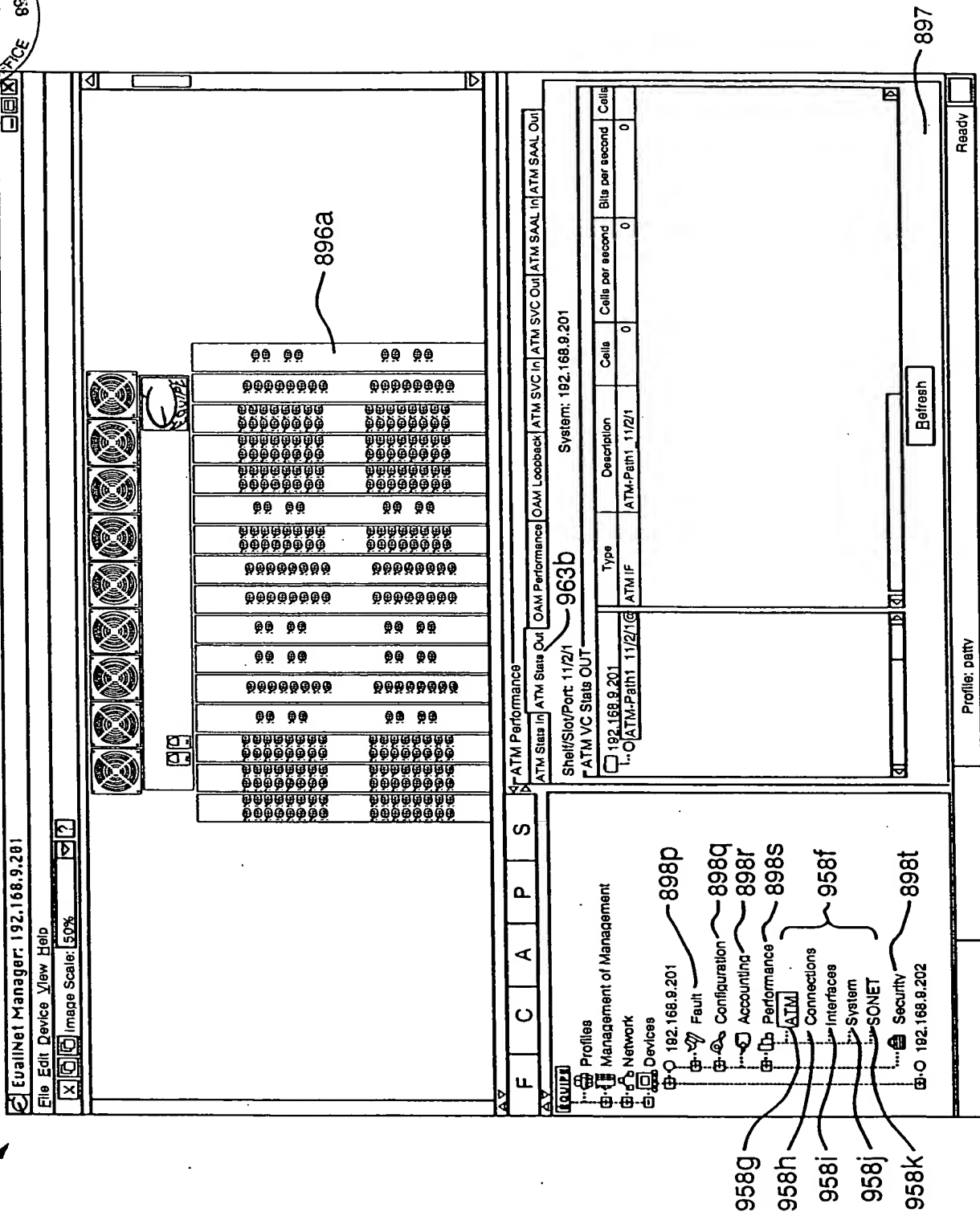
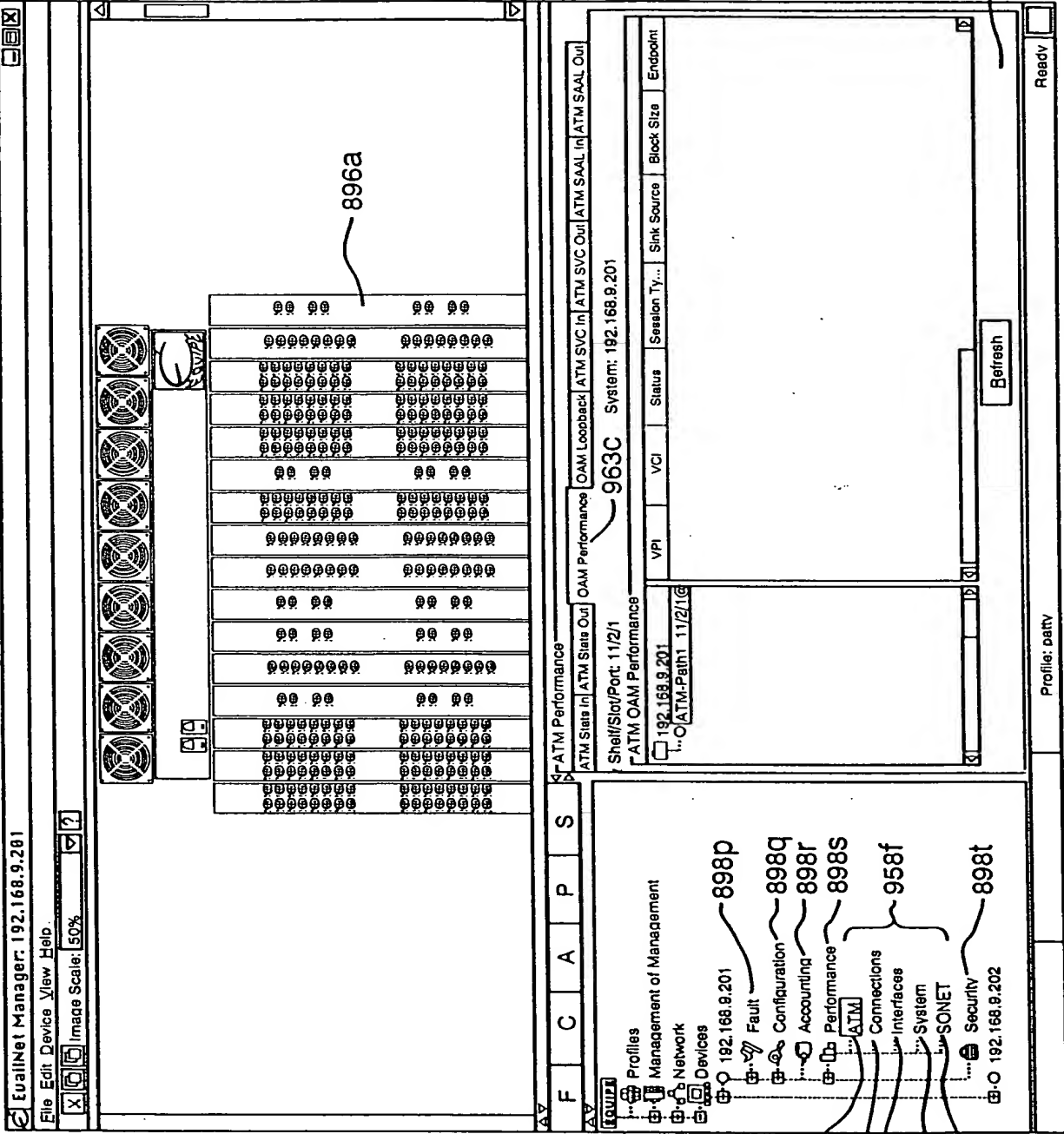


FIG. 7P



895



897

896a

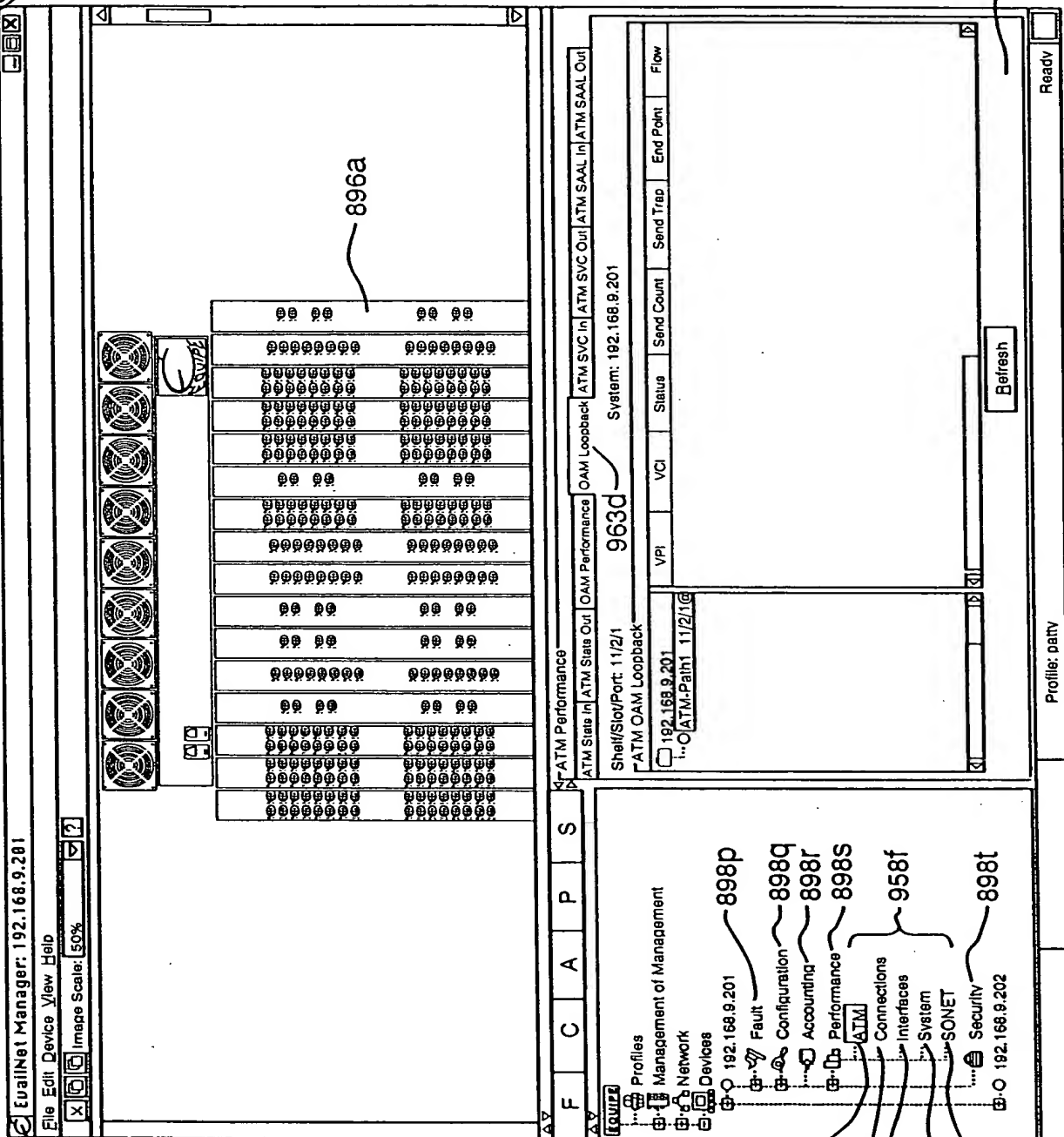
- 958g
- 958h
- 958i
- 958j
- 958k
- 898p
- 898q
- 898r
- 898s
- 958f
- 898t

FIG. 7Q



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895



897

FIG. 7R



110/289

895

EqualNet Manager: 192.168.9.201
File Edit Device View Help
Image Scale: 50%

896a

898p
898q
898r
898s
898t

958g
958h
958i
958j
958k

897

Ready

Profile: datty

ATM Performance

ATM State In	ATM State Out	OAM Performance	OAM Loopback	ATM SVC In	ATM SVC Out	ATM SAAL In	ATM SAAL Out
Shell/Slot/Port: 11/2/1 System: 192.168.9.201							
Type	Description	Total	Connected	Failures	Last Cause...	Setup PDU's	
ATM-Path1 11/2/1 @ 11/2							

Management of Management
Management of Network
Management of Devices

192.168.9.201
Fault
Configuration
Accounting
Performance
ATM
Connections
Interfaces
System
SONET
Security

192.168.9.202

FIG. 7S

895

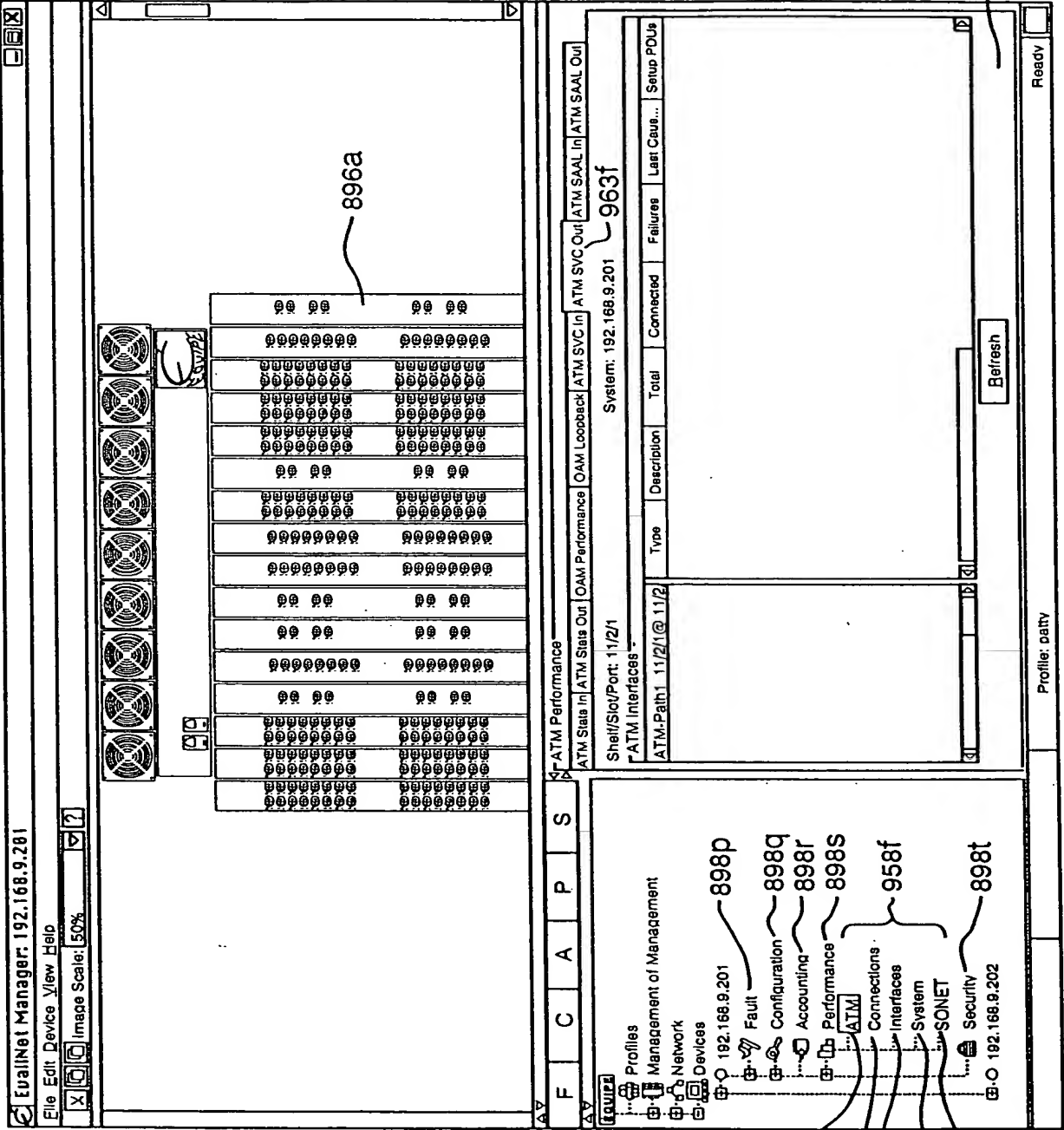


FIG. 7T

895

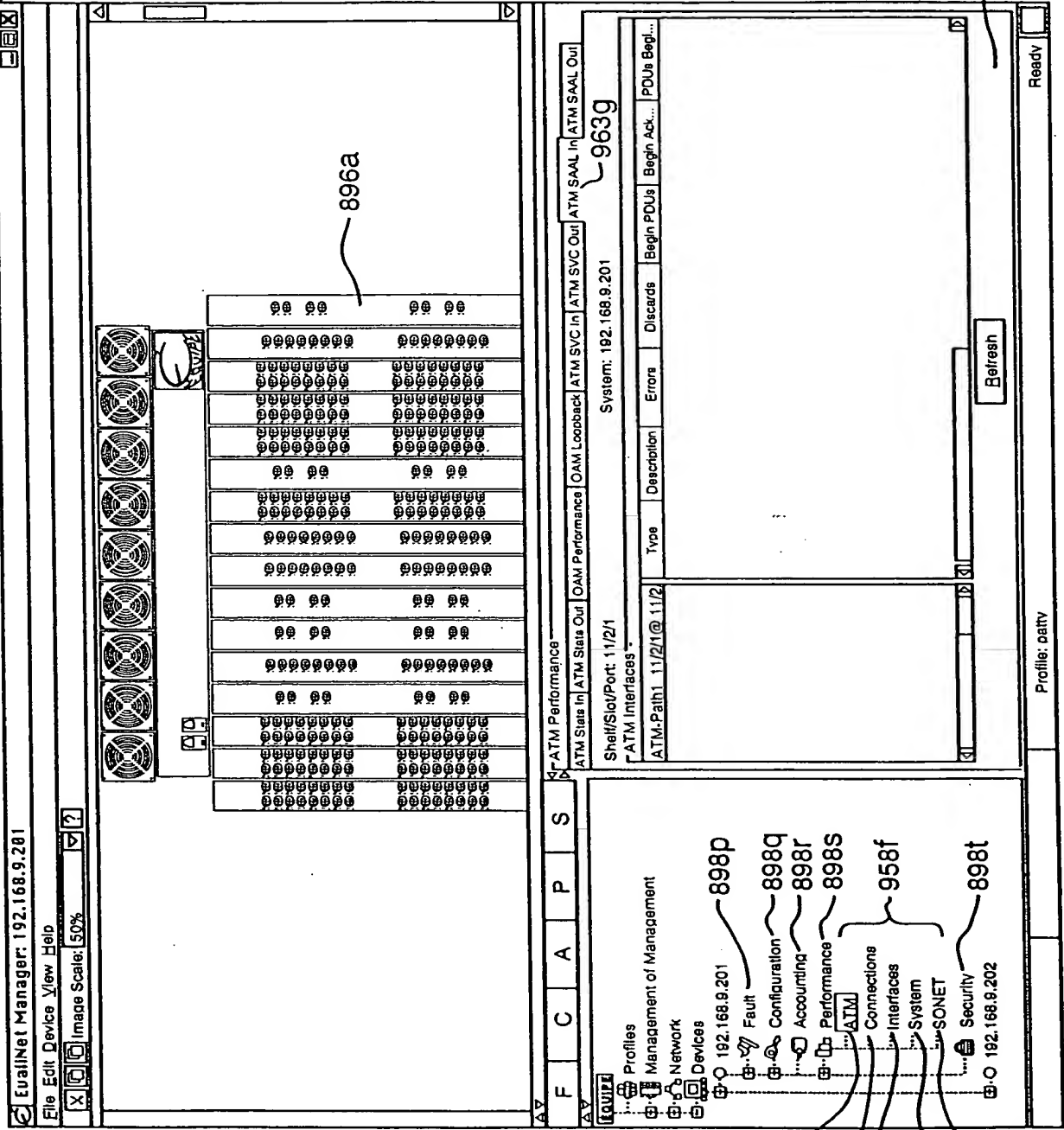


FIG. 7U



895

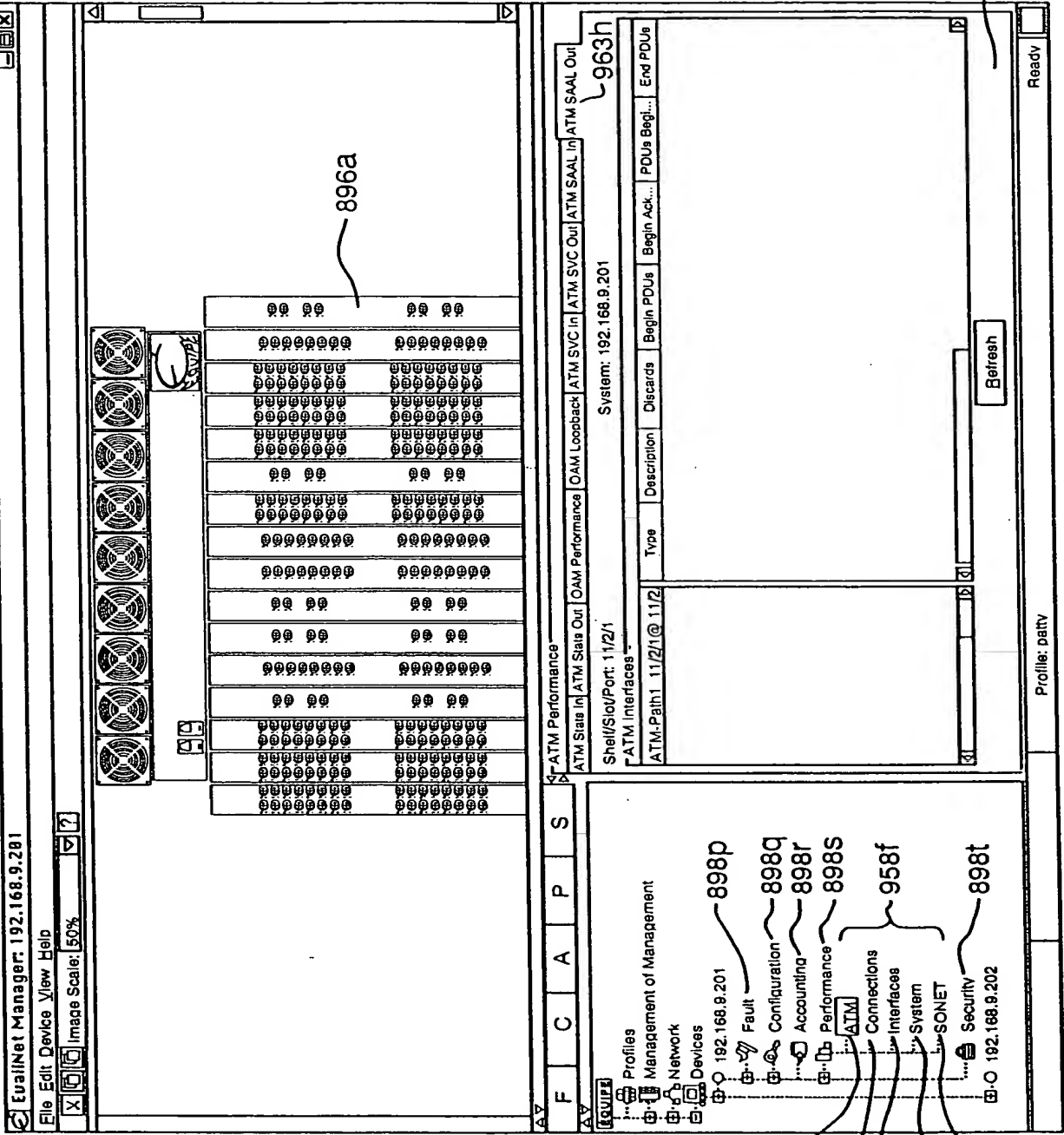


FIG. 7V



114/289

895

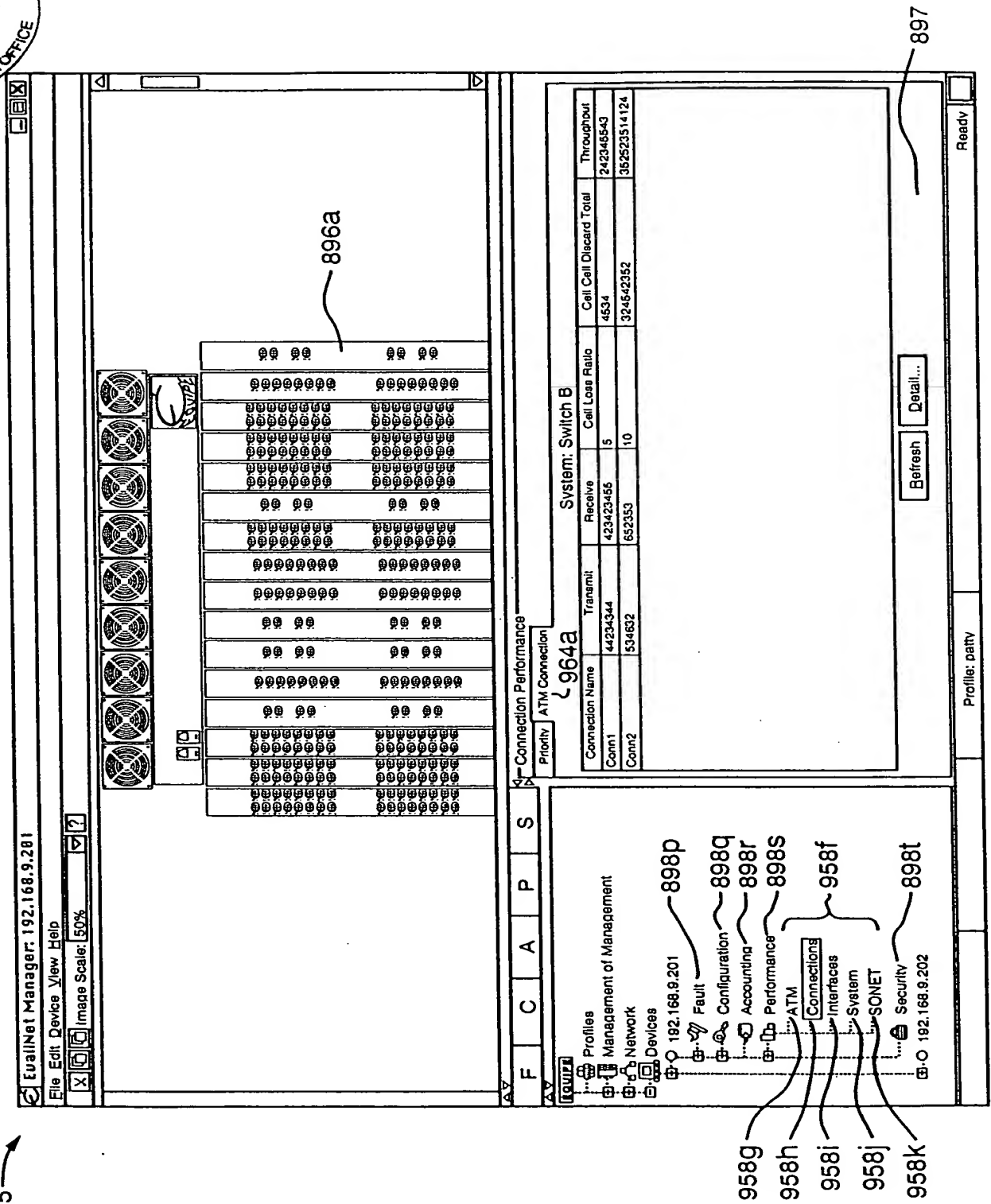
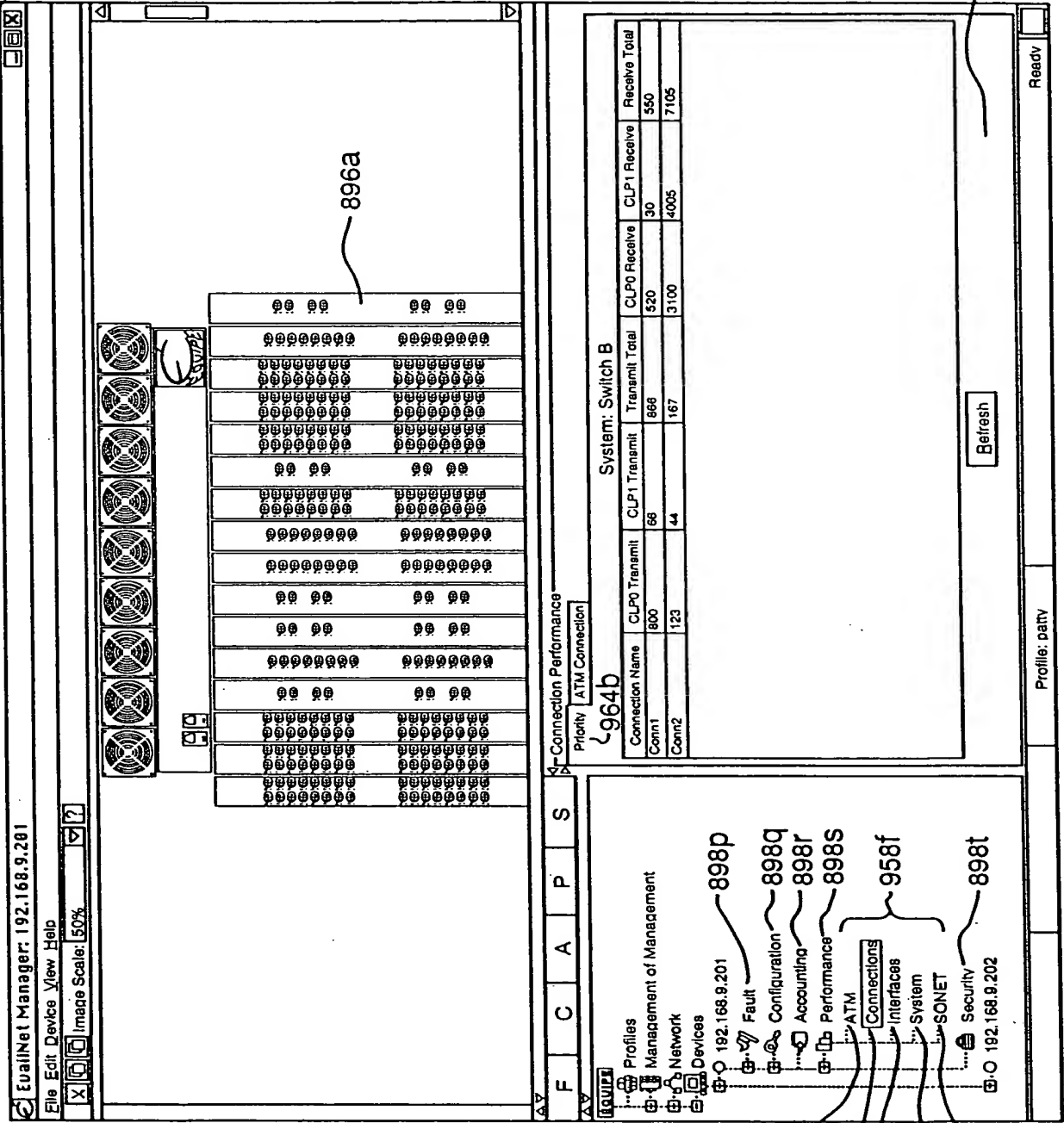


FIG. 7W

895



897

FIG. 7X

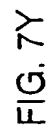
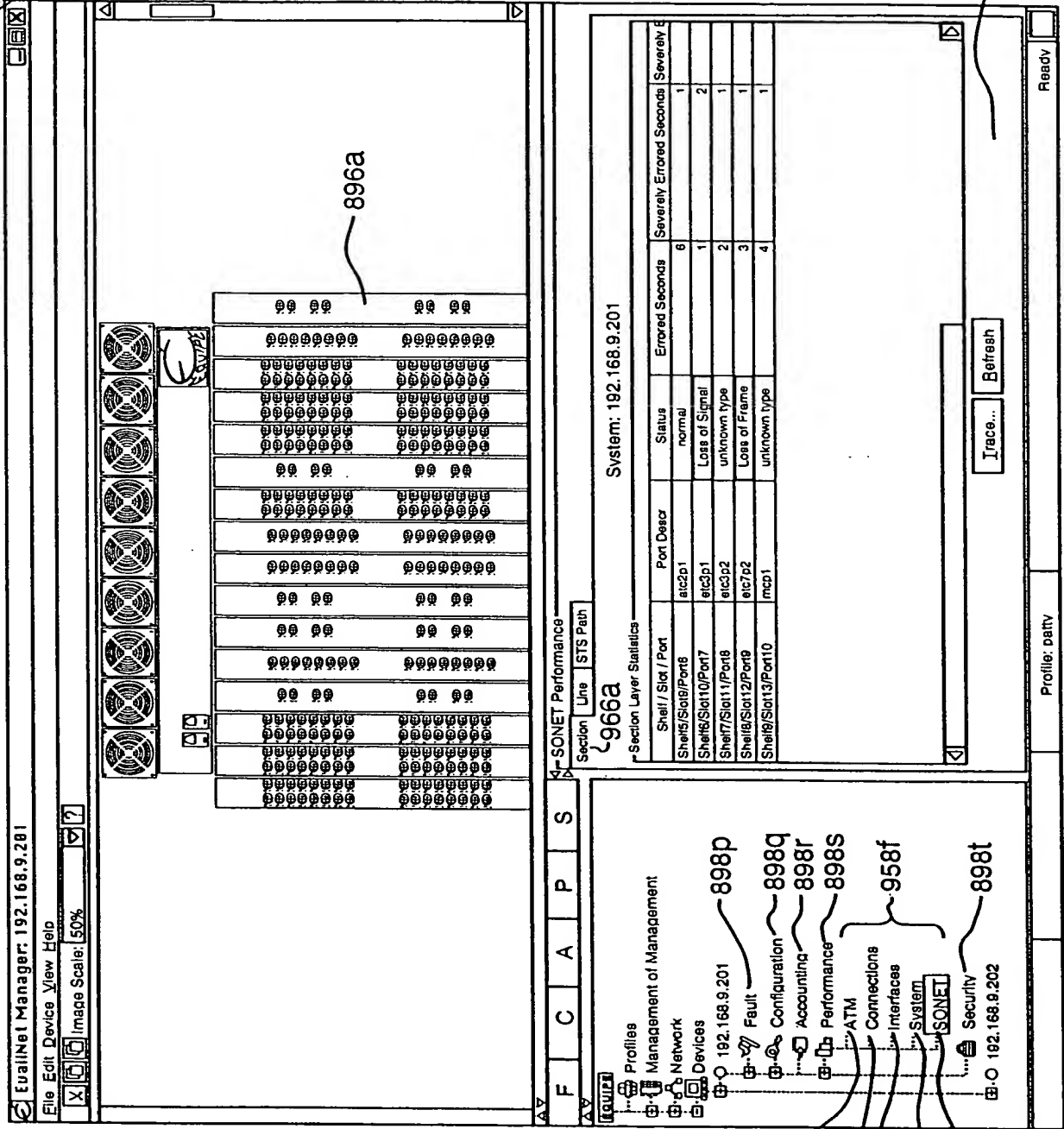


FIG. 7Y



895



897

FIG. 8A



895

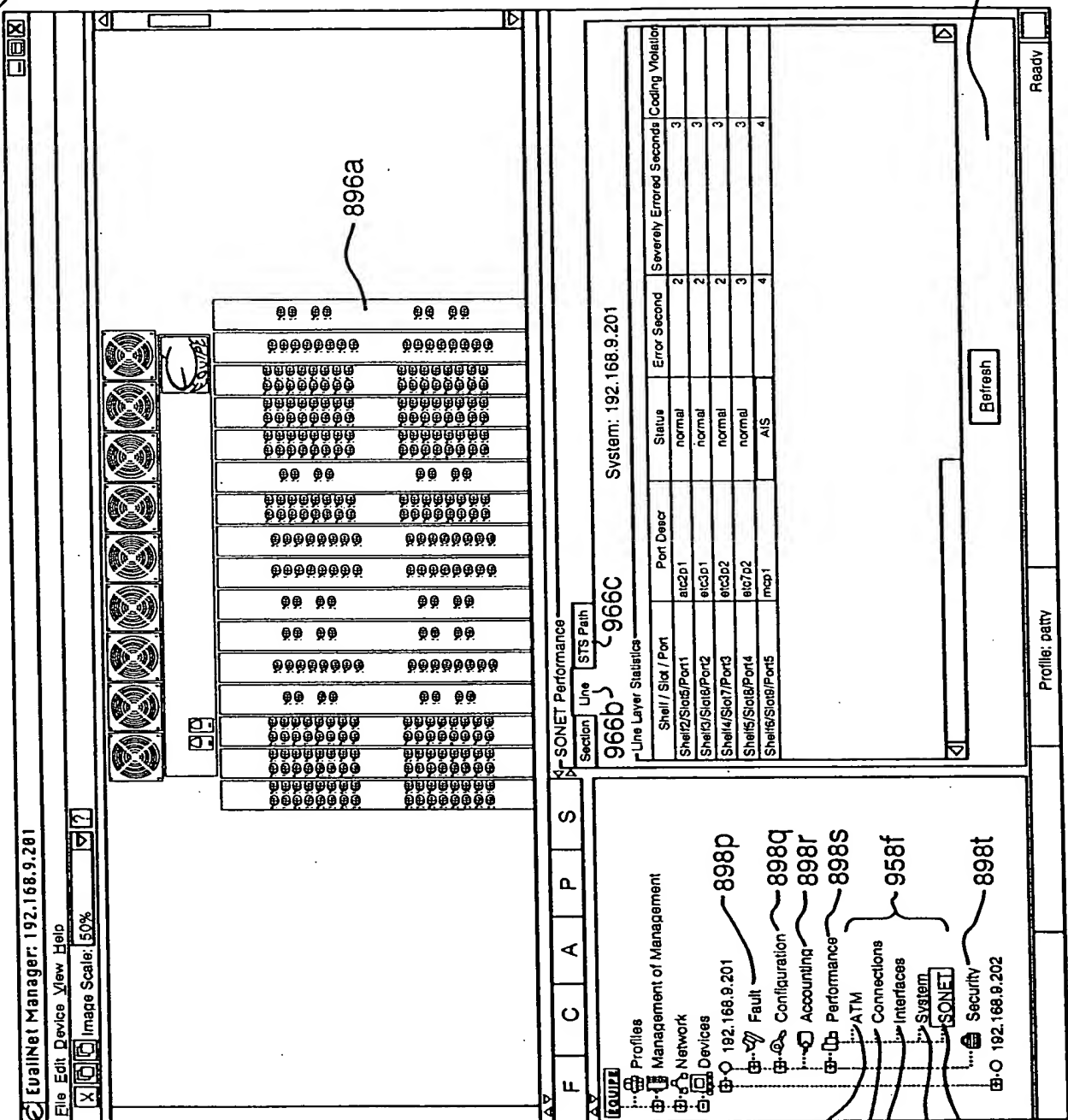


FIG. 8B



895

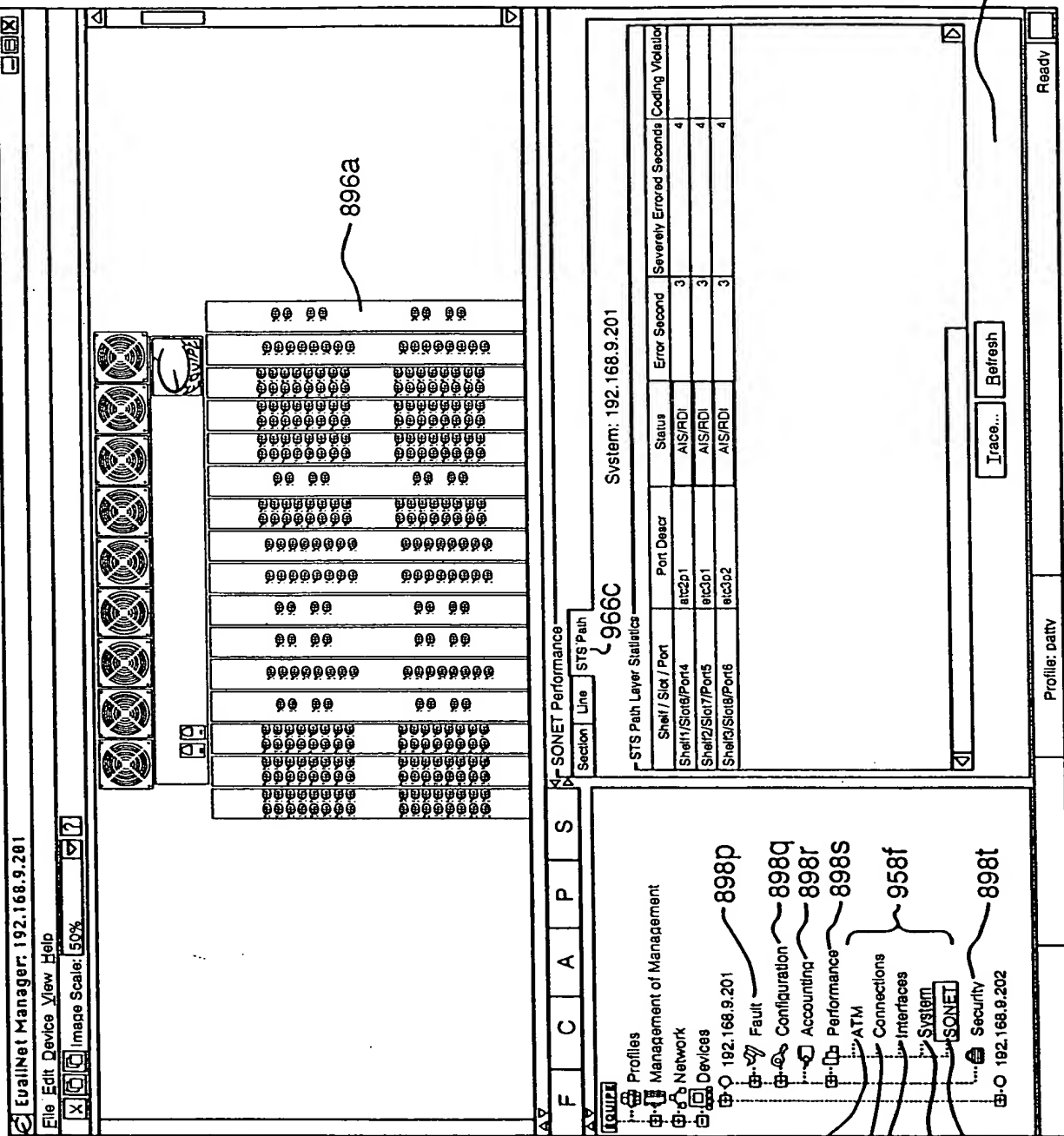
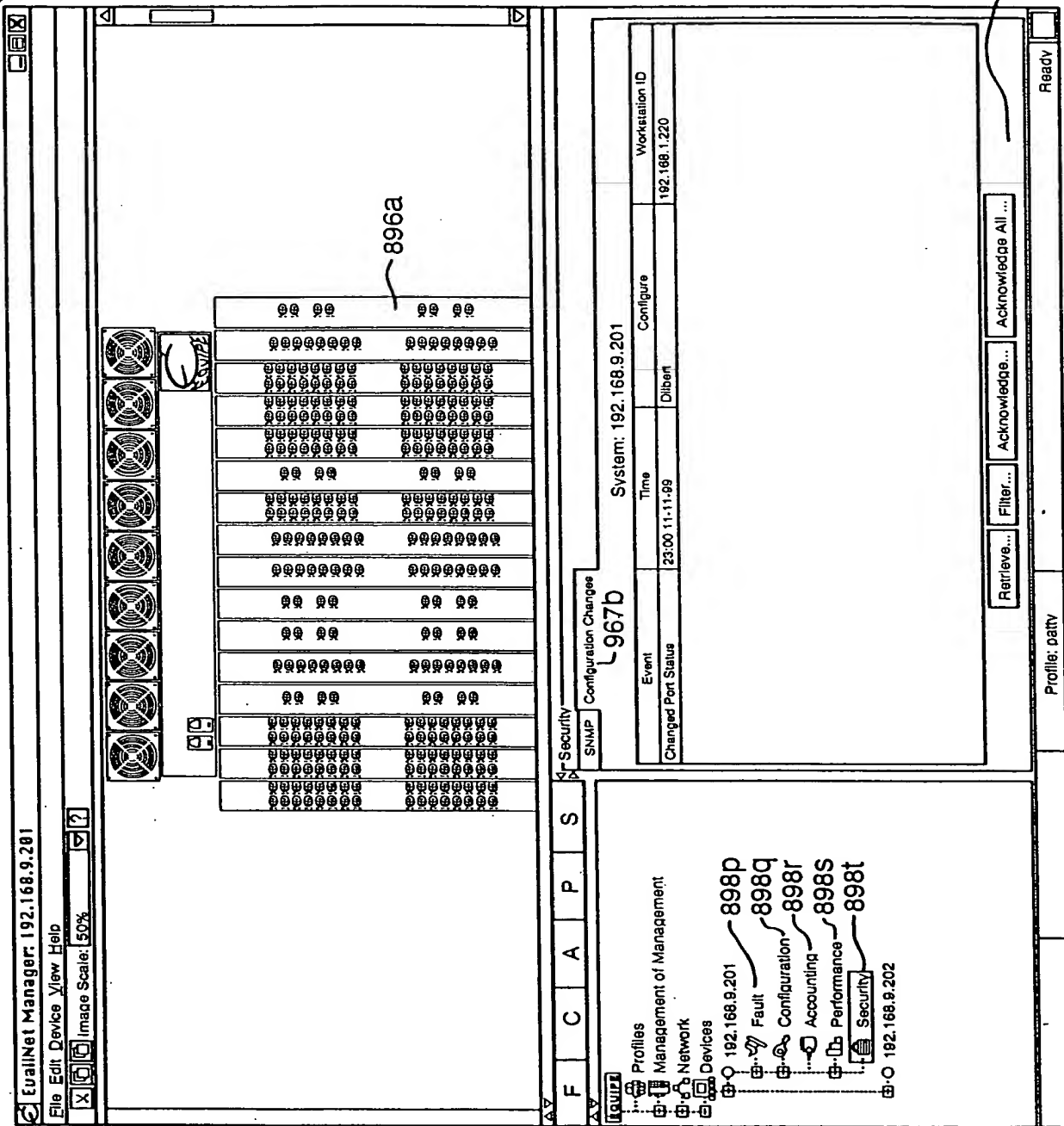


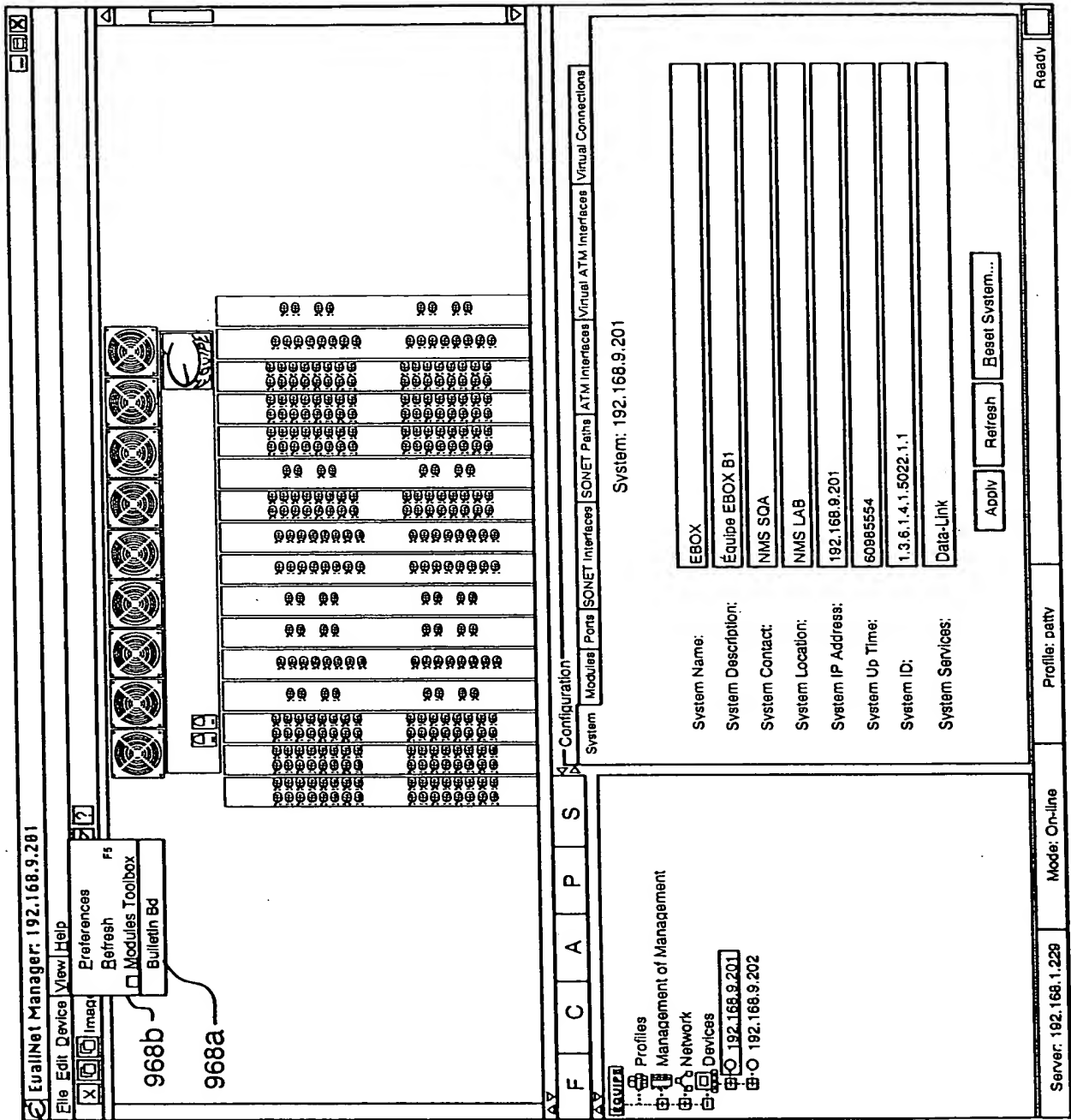
FIG. 8C

895



897

FIG. 8E



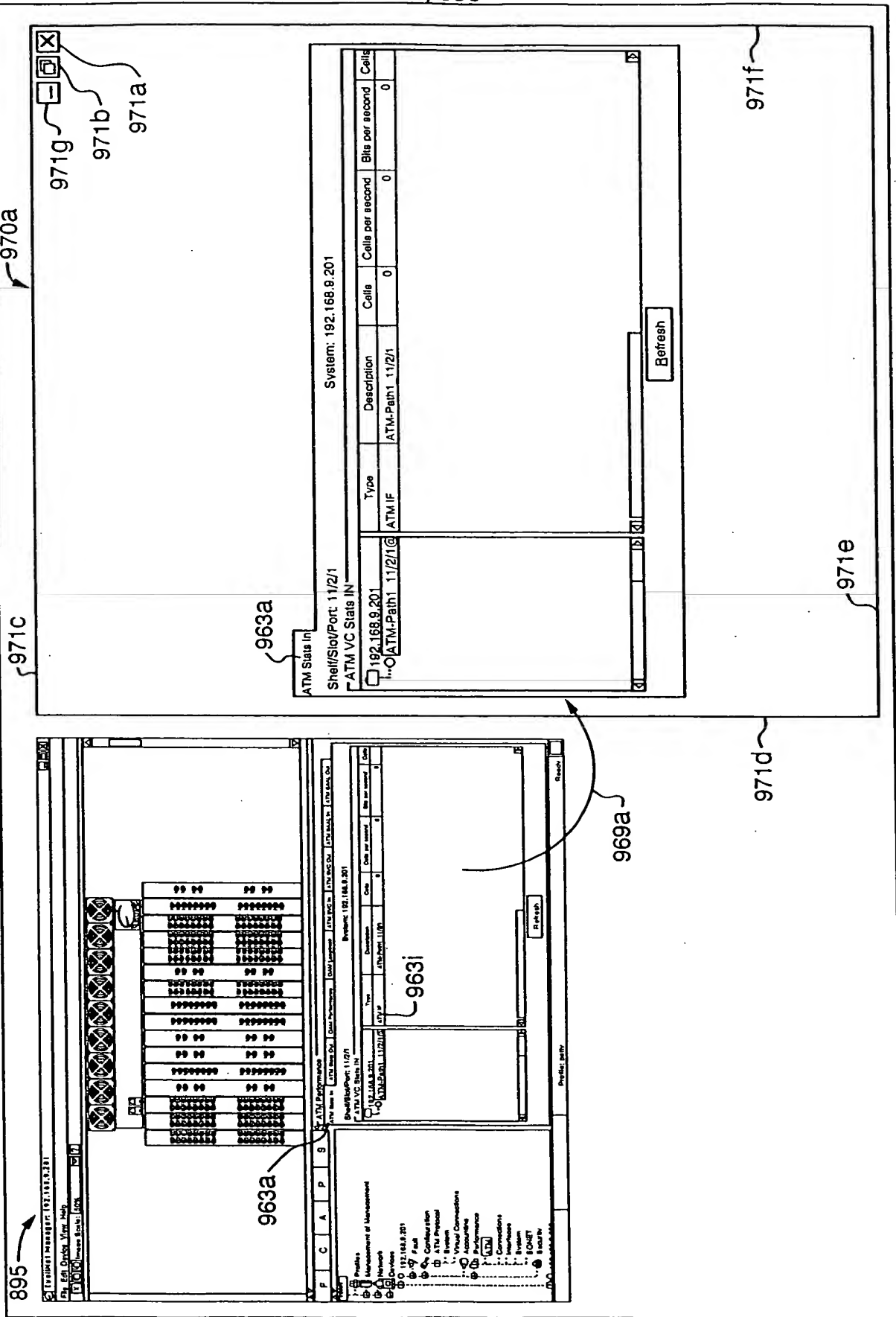


FIG. 9B

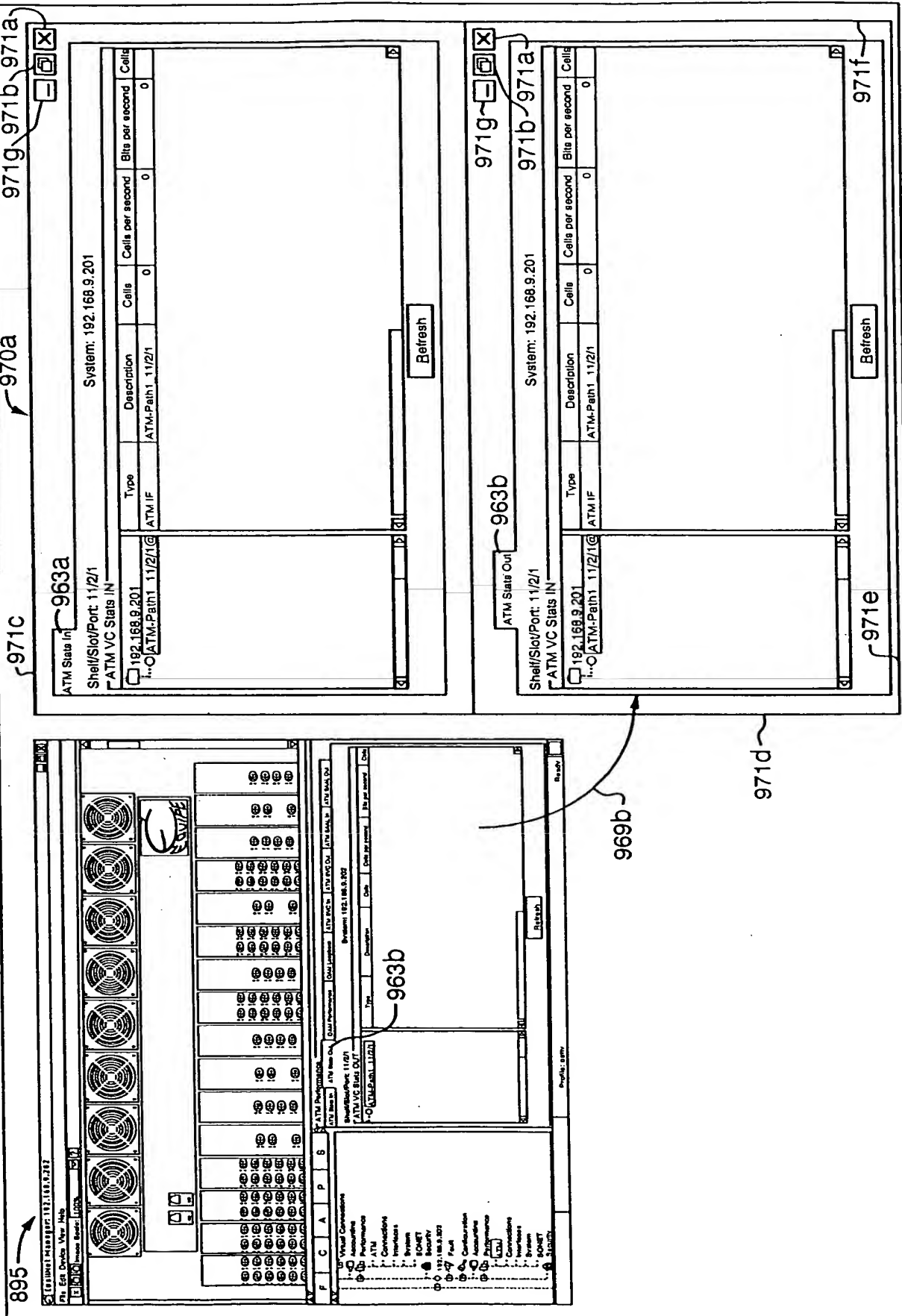


FIG. 9C

970a

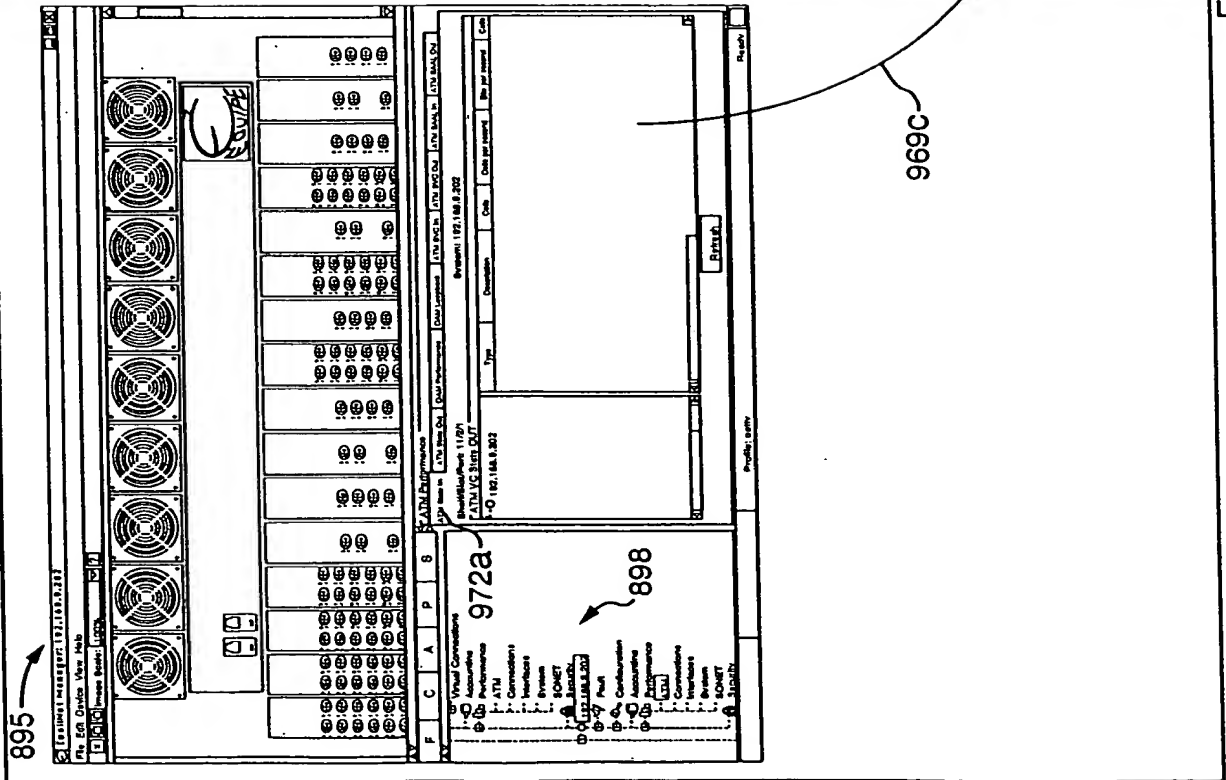
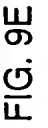


FIG. 9D



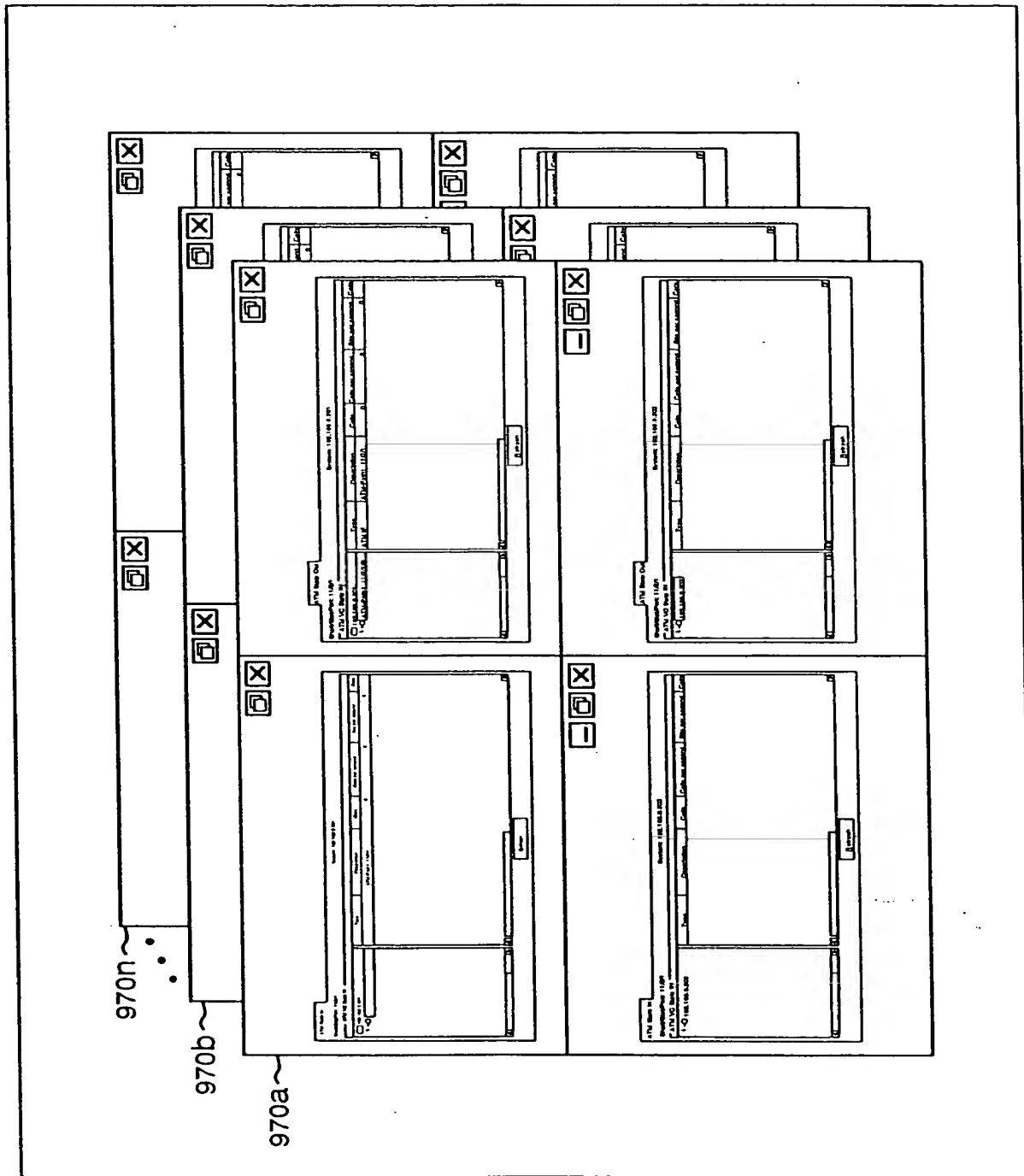


FIG. 9F



970a

963b

Shelf/Slot/Port 11/2/1 System: 192.168.9.201

ATM VC Stats OUT

System: 192.168.9.201

ATM Path1_11/2/1

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

Refresh

963a

ATM Stats In

Shelf/Slot/Port 11/2/1 System: 192.168.9.201

ATM VC Stats IN

System: 192.168.9.201

ATM Path1_11/2/1

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

Refresh

973

973a

973b

973c

973d

Normal

List

Graph

Config

FIG. 9G

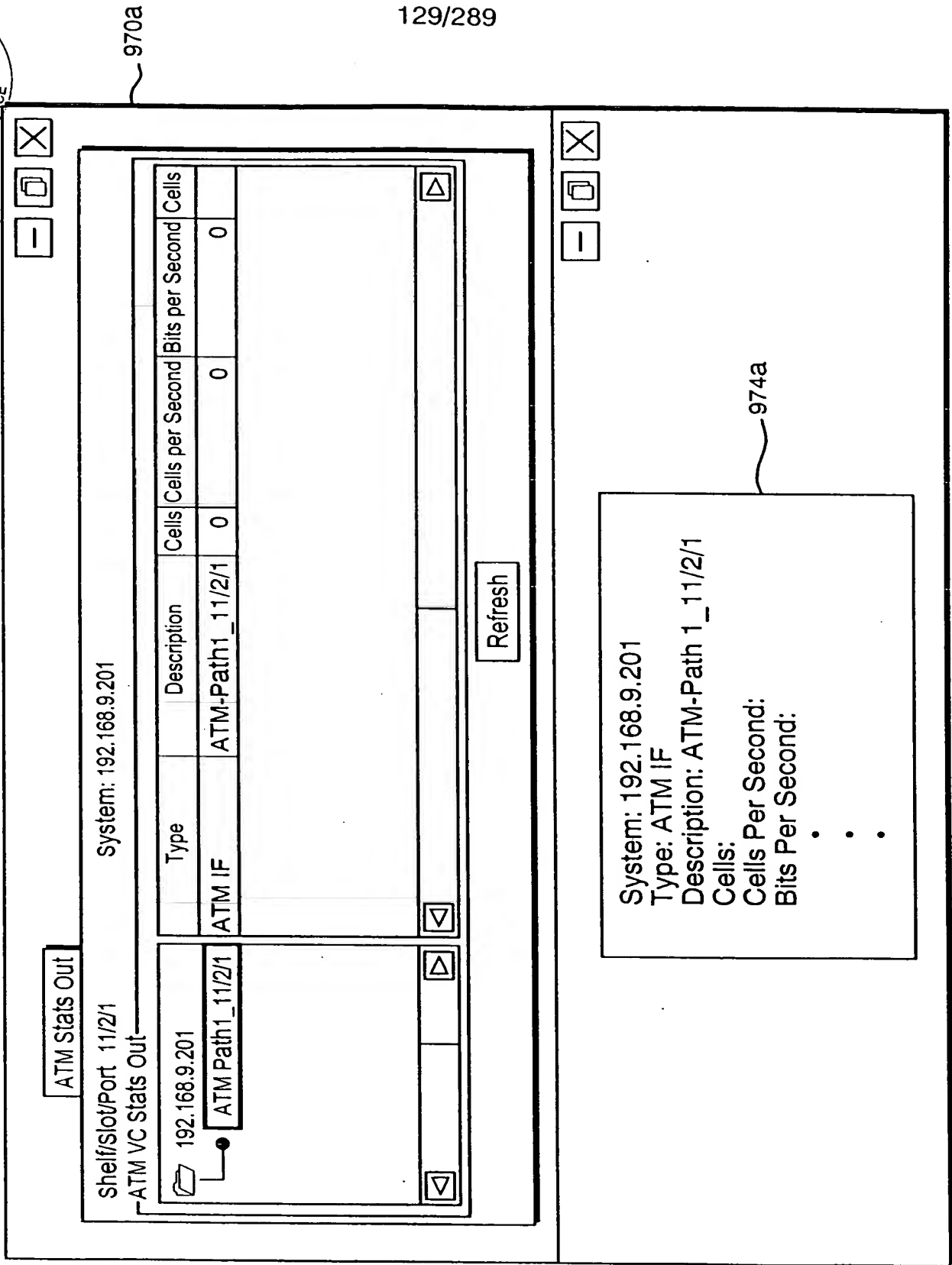


FIG. 9H

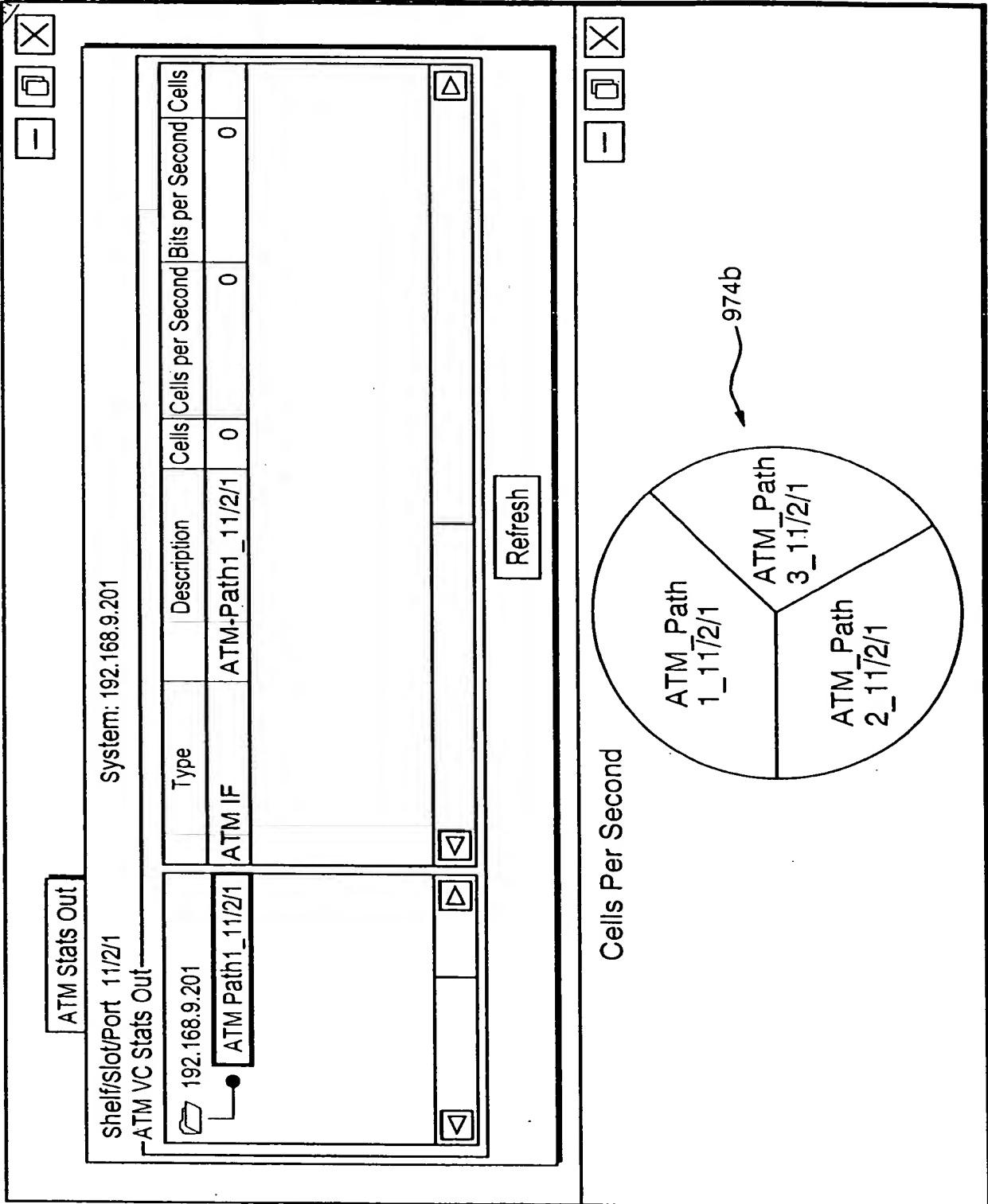


FIG. 91

ATM Stats Out

Shelf/Slot/Port 11/2/1
System: 192.168.9.201

ATM VC Stats OUT

System: 192.168.9.201

ATM Path1_11/2/1

ATM IF

ATM-Path_11/2/1

Cells

Cells per Second

Bits per Second

Cells

Refresh

ATM Interface Properties - 192.168.9.202

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/2/1

ATM Properties

Name

Minimum VPI bits

Maximum VPI bits

Minimum VCI bits

Maximum VCI bits

ATM-Path_11/2/1

1

8

5

16

OK

Cancel

FIG. 9K

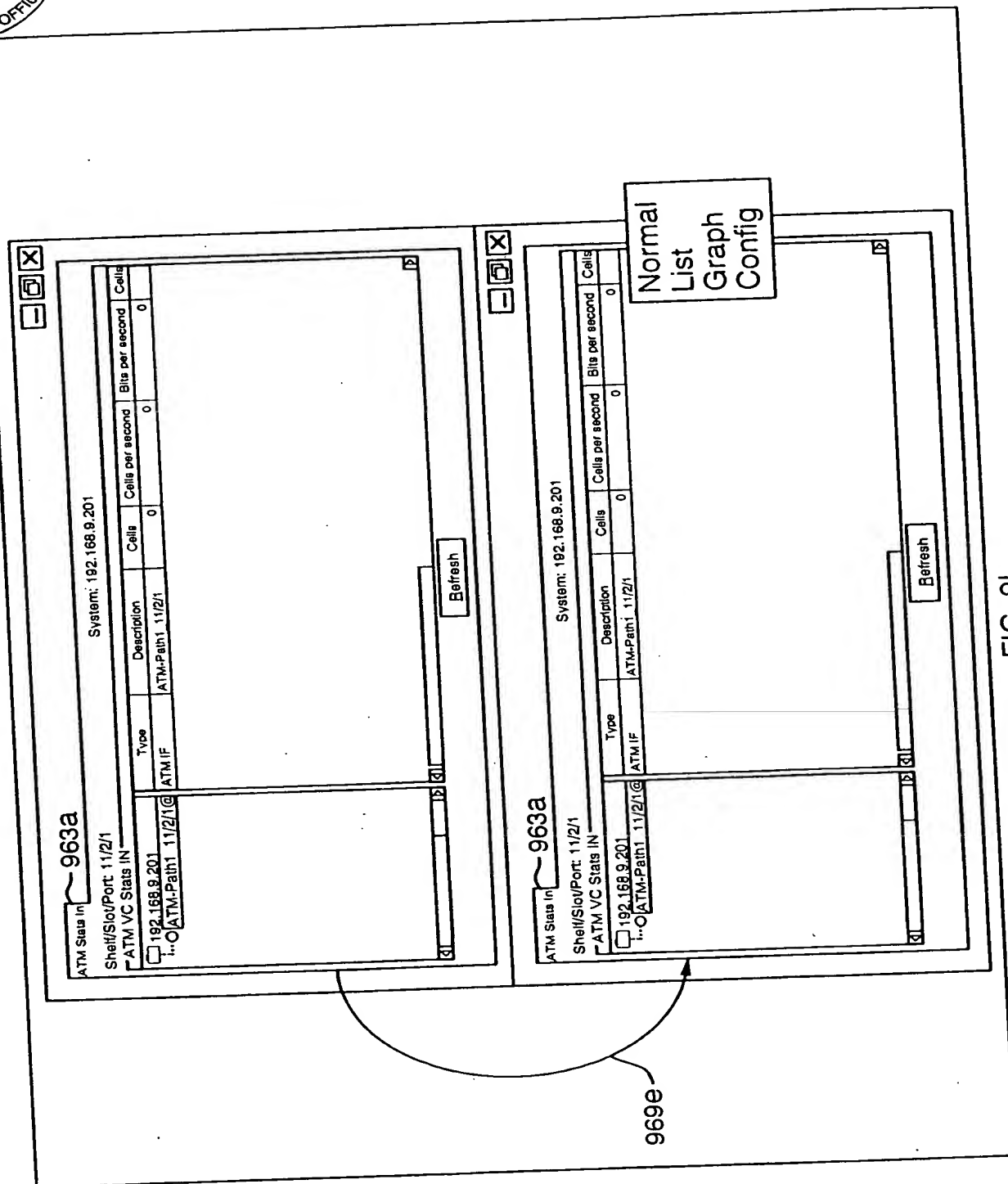


FIG. 9L

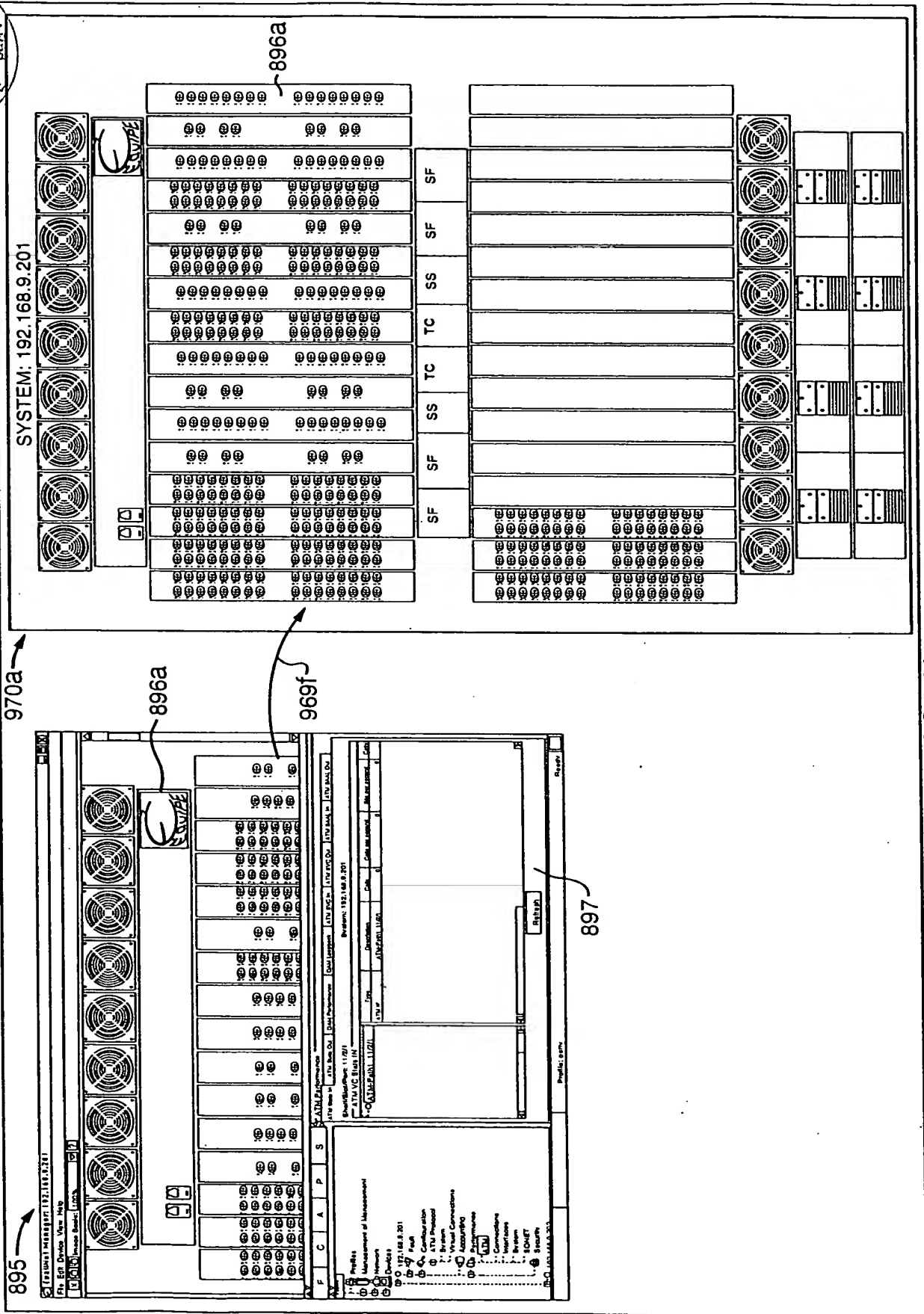


FIG. 9M

O I P E
OCT 27 2006
TRADEMARK OFFICE

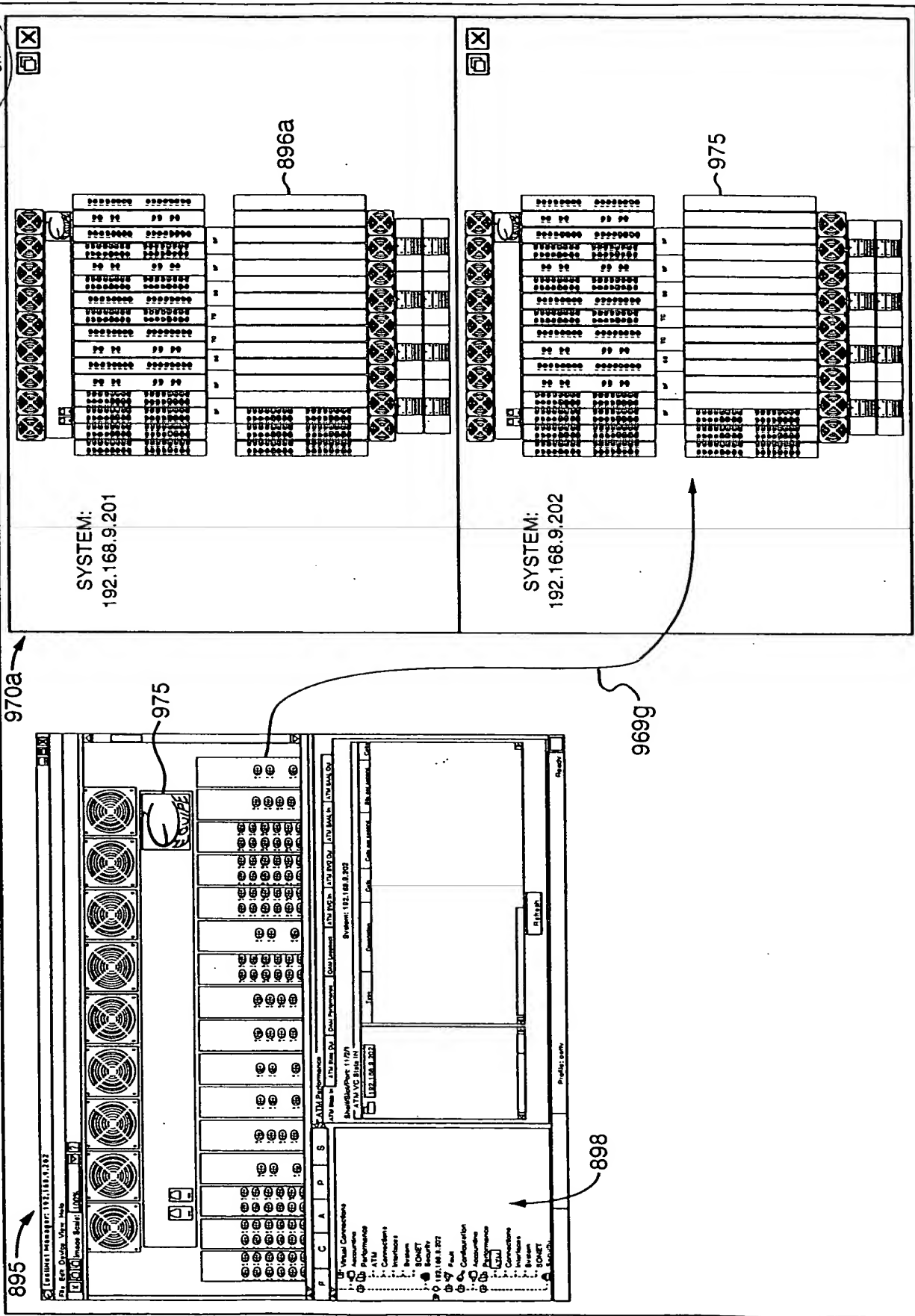


FIG. 9N

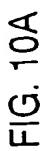



FIG. 10A

895 

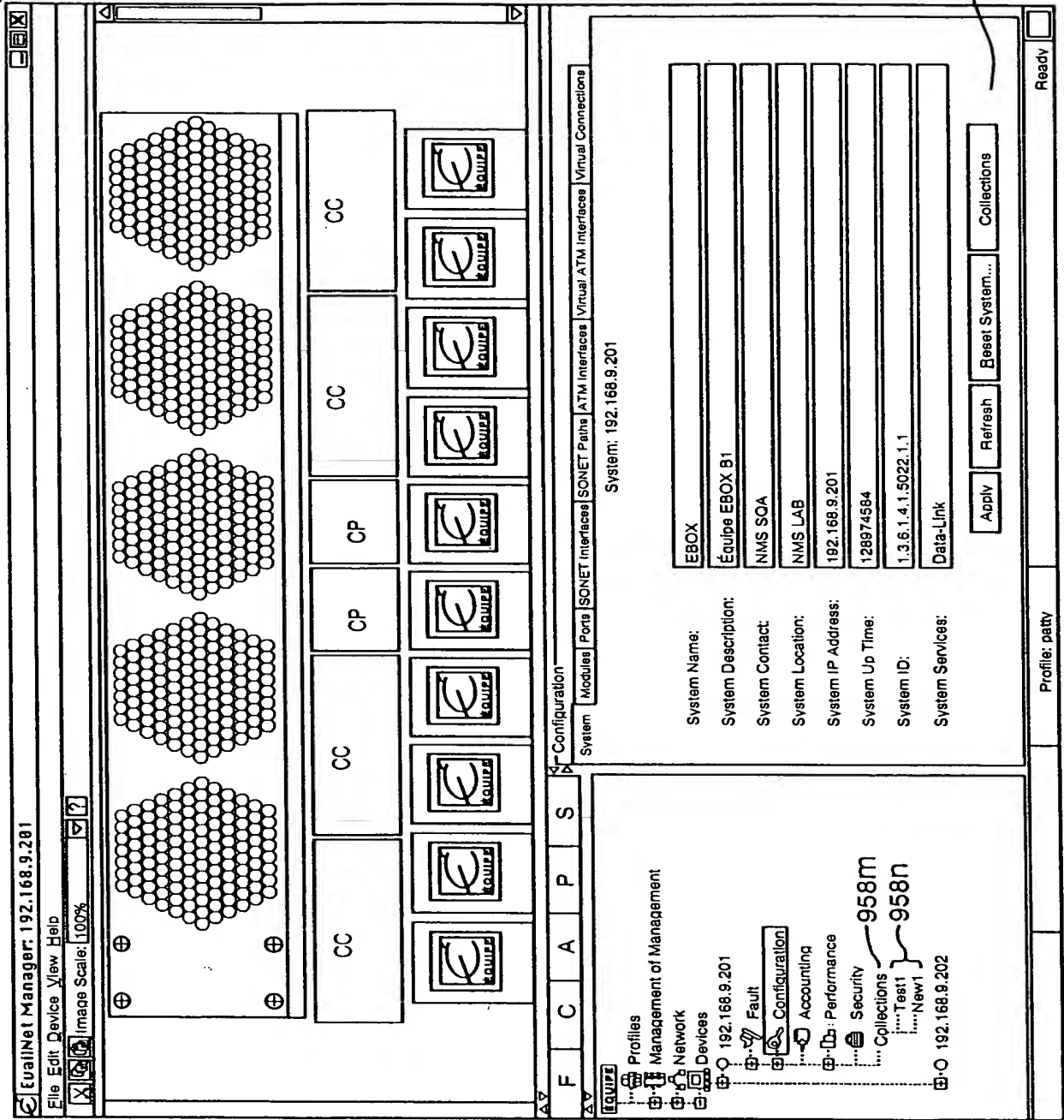
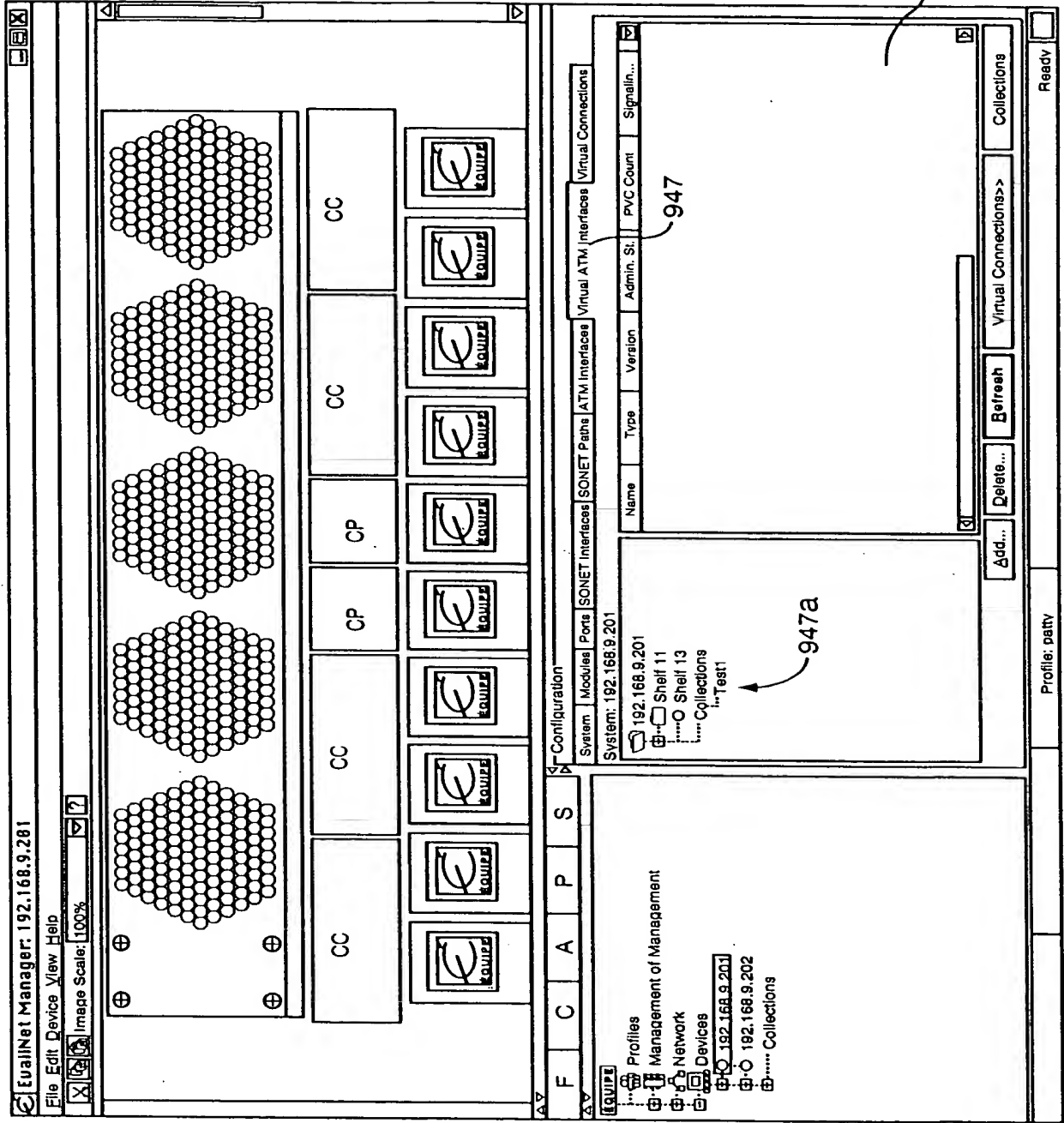


FIG. 10B

895

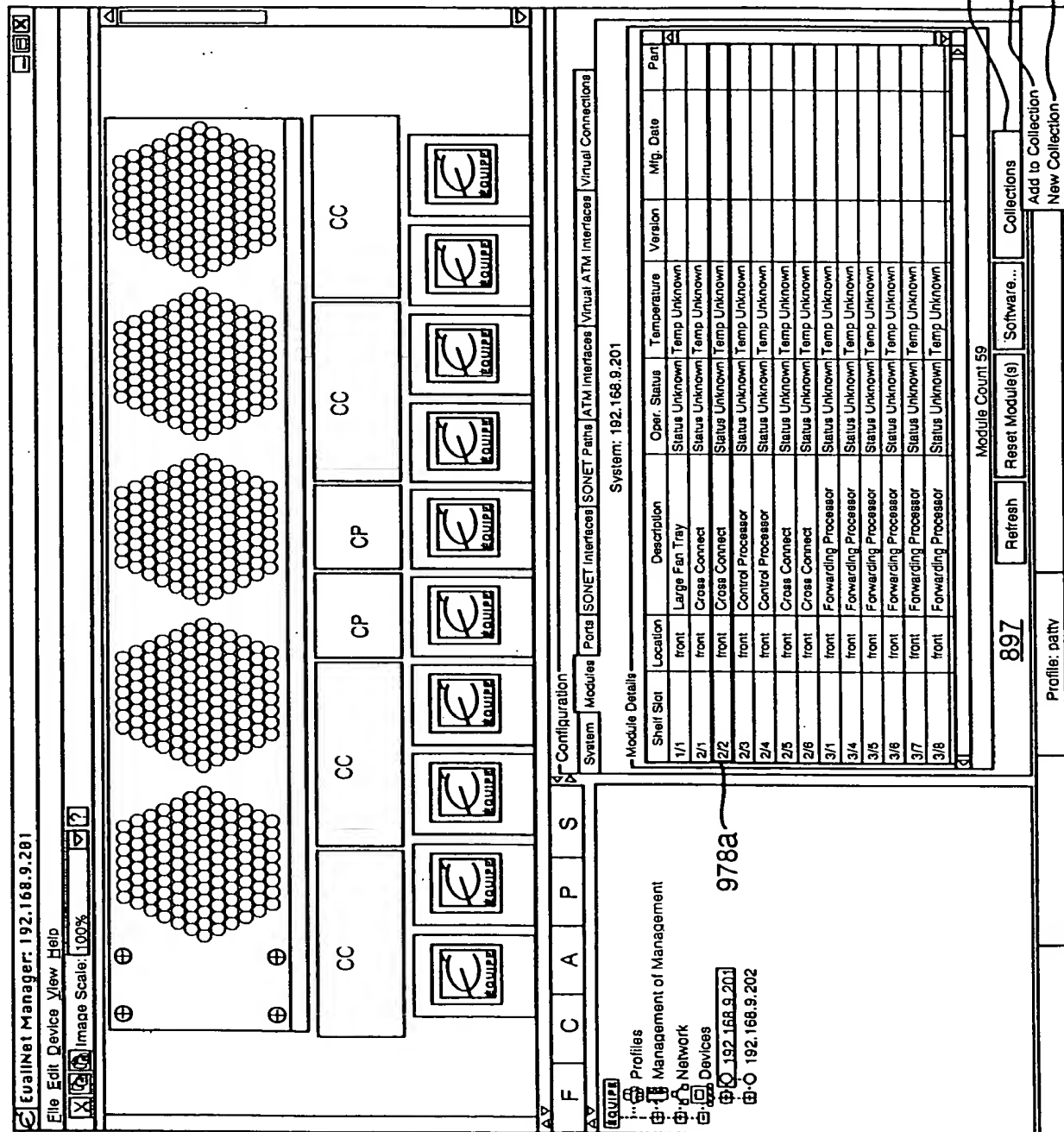


897

947

947a

FIG. 10C



-979d

979e

FIG. 10E

-979f

979g-6626

FIG. 10F

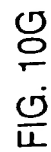


FIG. 10G

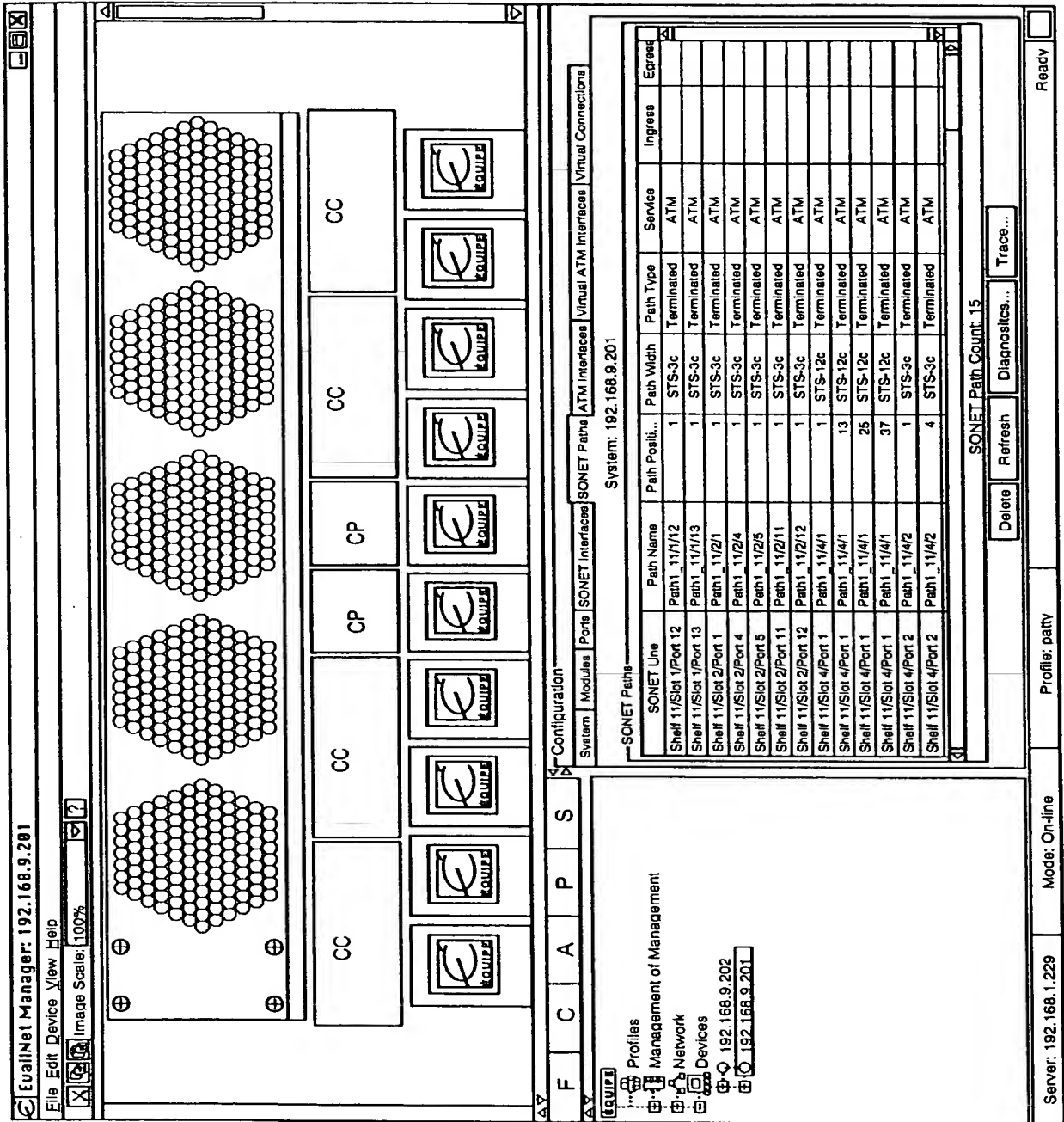
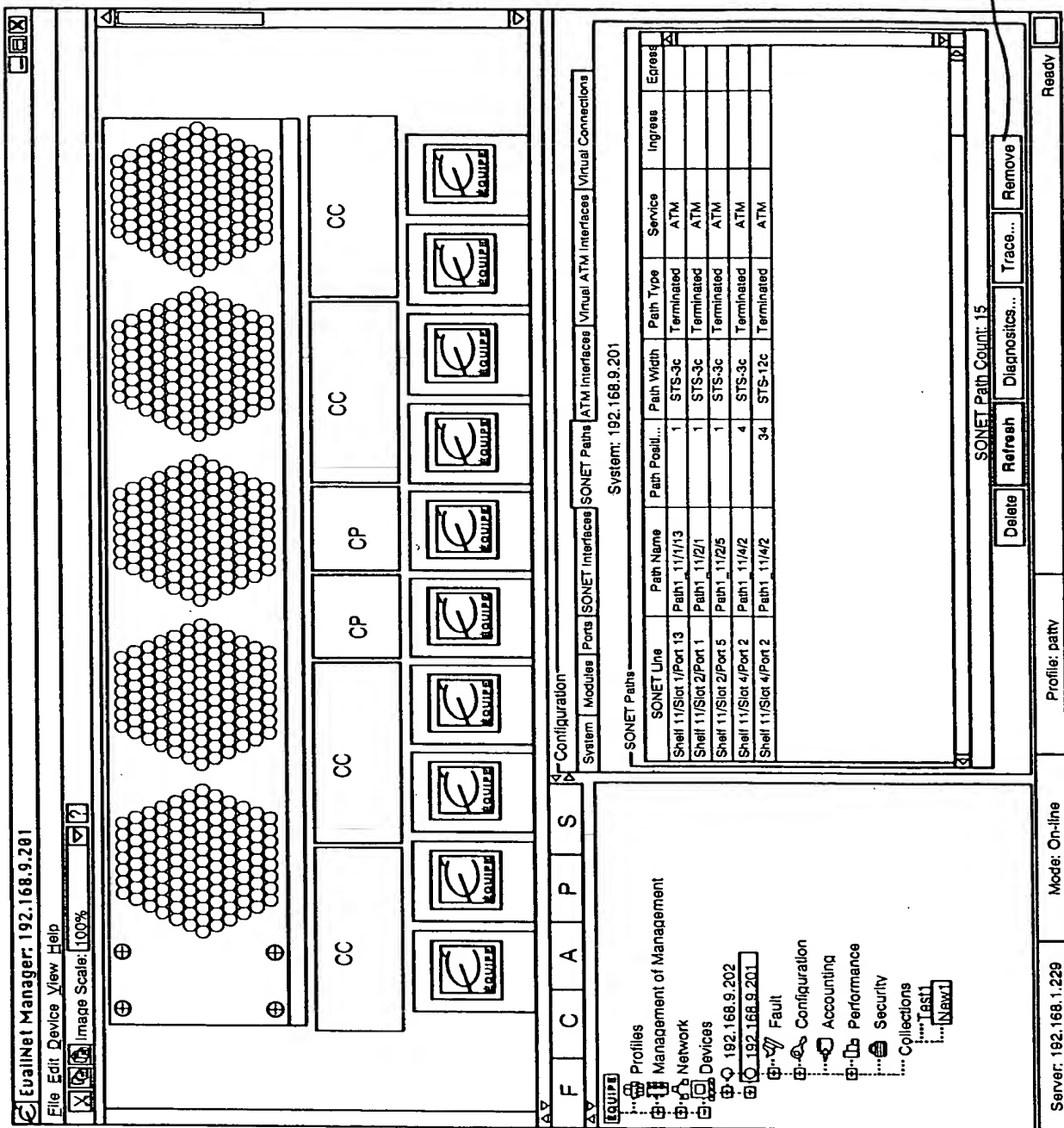


FIG. 10H



982

FIG. 10I

903

Profiles

System: 192.132.60.150

Profile Manager

Name	Description	Security Level	Timeout	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.32
Wayne	Wayne Arena	Provisioner	15	TeamServer1:192...	TeamServer2:192.168.1.32

Add

Delete...

Refresh

Copy

904

905

906

FIG. 11A

907

General

Username: Kevin

Description: Kevin Snow user account

Group Name: Equipe

Group Level Access: ☒

Password: *****

Confirm Password: *****

Policies

☒ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15 Minutes

TO
FIG. 11C

FIG. 11B

FROM
FIG. 11B

Servers

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220
6500
192.168.1.221
6503

Devices

Device	READ	READWRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
192.168.9.205	public	equipe	3	3
192.168.9.216	public	equipe	3	3

Add

Delete

OK

Cancel

FIG. 11C



General

Policies

Servers

Devices

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.205

6503

908t

OK

Cancel

FIG. 11D



General

Policies

Servers

Devices

Device	READ	READWRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	3	162
192.168.9.205	public	equipe	3	3	162
192.168.9.216	public	equipe	3	3	5012

Add

Delete

908t

OK

Cancel

FIG. 11E



General

Policies

Servers

Devices

Username:

Description:

Customer Name:

Group Level Access:

Password:

Confirm Password:

Kevin

Kevin Snow user account

Equipe

☒

908t

OK

Cancel

FIG. 11F



General

Policies

Servers

Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15

Minutes

908t

OK

Cancel

FIG. 11G

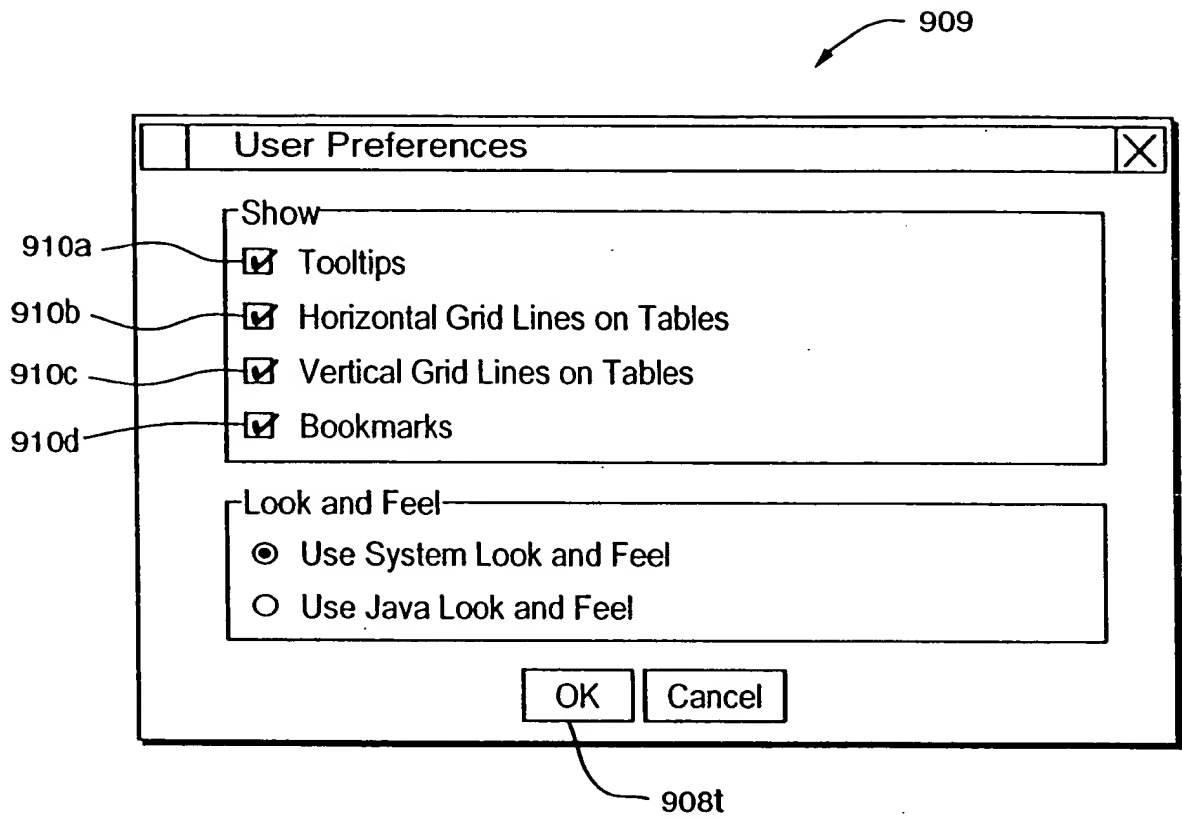
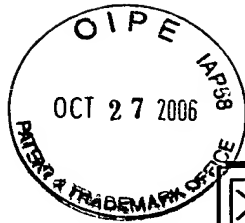


FIG. 11H



907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

TO
FIG. 11J

FIG. 11I



FROM
FIG. 11I

Servers

908l

908n

908m

908o

Primary Server:
192.168.1.220

Primary Server Port:
6500

Secondary Server:
192.168.1.221

Secondary Server Port:
6503

908g

Devices

908p

908q

908r

908s

Device	READ	READ/WRITE	Retry	Timeout
192.168.9.202	public	equipe	3	<div>Δ</div>
19 Group List				<div>Δ</div>
19 Walmart-East				<div>Δ</div>
Walmart-West				<div>Δ</div>
Kmart 1				<div>Δ</div>
Sears-Northeast				<div>Δ</div>

1000a

Add

Delete

FIG. 11J



EvaiiNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot 8 Port 5 Type OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		

1002e Modify

Graphical Representation

Position

Width

1

STS-12c

1002d

1002b

Group Name:

1002c

OK

Cancel

1002a

FIG. 11K



1002

EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot 8 Port 5 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☒ Configure

☐ Custom Configuration

4 STS-3C paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/8/5	1	STS-3c	Termin.	ATM		
11/8/5	Path2_11/8/5	4	STS-3c	Termin.	ATM		
11/8/5	Path3_11/8/5	7	STS-3c	Termin.	ATM		
11/8/5	Path4_11/8/5	10	STS-3c	Termin.	ATM		

1002e Modify

Graphical Representation

Position

Width

1

4

7

10

STS-3C

STS-3C

STS-3C

STS-3C

Group Name:

OK

Cancel

1002d

1002a

FIG. 11L



EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot 8 Port 5 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☒ Custom Configuration

4 paths

STS-3c

Functions

Available SONET Paths

STS-3c

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3c

STS-3c

STS-3

STS-3

↑

↓

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/8/5	Path1_11/8/5	1	STS-3c	Terminated	ATM		Δ
11/8/5	Path2_11/8/5	4	STS-3c	Terminated	ATM		
11/8/5	Path3_11/8/5	7		Terminated	ATM		▽

1002e ~ Modify

Graphical Representation

Position

1

4

Width

STS-3c

STS-3c

1002a

1002d ~ OK Cancel

Group Name 1002b 1002c ~ ▾

1002~

FIG. 11M

MANAGED RESOURCE GROUP TABLE 1008

LID	MANAGED DEVICE PID	GROUP NAME
1145	1	WALMART-EAST
:	:	:
:	:	:
:	:	:

FIG. 11N

MANAGED RESOURCE TABLE 1007

LID	RESOURCE LID	MANAGE RESOURCE GROUP LID
4443	901	1145
:	:	:
:	:	:
:	:	:

FIG. 11O



Add V-ATM Interface - 192.168.9.201 [X]

Shelf/Slot/Port: 11/4/2 Path Name: Path2_11/4/2

Virtual ATM Interface Parameters

Name (Alias):	
Connection Type:	Direct Link [v]
Version:	UNI Network 3.1 [v]
Admin. Status:	Up [v]
Group Name:	[v]

[OK] [Cancel]

1004

1004a

1004b

1004c

FIG. 11P



1006

EvailNet Manager: 192.168.9.201-Virtual Connection Wizard

Source: 192.168.9.201Destination: 192.168.9.201

End Point 1

192.168.9.201

Shelf 11

Slot 1

Slot 2

Slot 3

Slot 4

Port 1

Port 2

ATM-Path2_11/4/2

End Point 1

192.168.9.201

Shelf 11

Shelf 13

Connection Parameters

Connection Name:

Admin Status:Up1006b

Group Name:Group List

End Point 1 Parameters:

VPI:

VCI:

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

Use Any VPI Value

Use Any VCI Value

Add Traffic Descriptor...

Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI:

VCI:

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

Use Any VPI Value

Use Any VCI Value

Add Traffic Descriptors...

Use the same Traffic Descriptor for both Transmit and Receive

<BackFinishCancel

1006a1006C

FIG. 11Q

USER TABLE 1010

1010a	1010b		1010c	1010d	1010e
	LID	USERNAME	PASSWORD	GROUP LEVEL ACCESS	
	2012	DAVE	MARBLE	PROVISIONER	
	⋮	⋮	⋮		

FIG. 11R

USER MANAGED DEVICE TABLE 1012

1012a	1012b		1012c	1012d	1012e
	LID	USER LID	HOST LID	RETRY	TIMEOUT
	7892	2012	9046		
	⋮	⋮	⋮	⋮	⋮

FIG. 11S



ADMINISTRATION MANAGED DEVICE TABLE 1014

1014a LID	1014b			1014c			1014d		
	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD		
	9046	192.168.9.202	1521	TEAM 1	TEAM 2	TEAM 3			

FIG. 11T

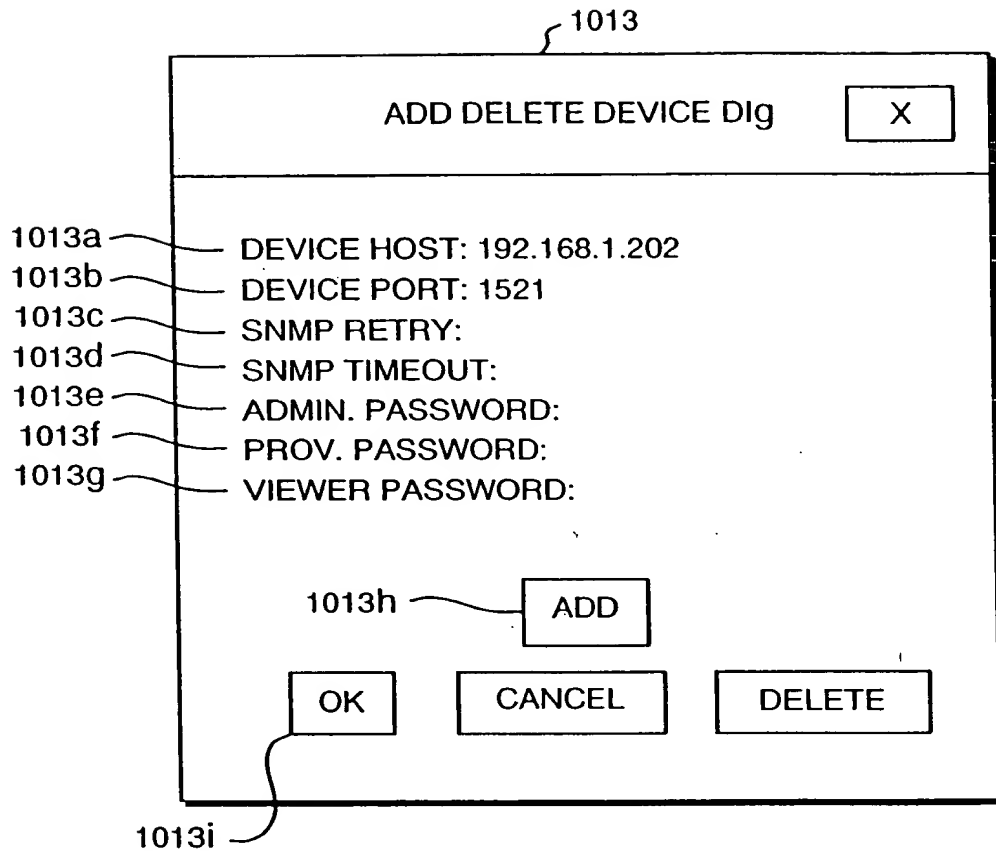


FIG. 11U

USER RESOURCE GROUP MAP TABLE 1016

1016a	1016b			1016c
	LID	USER LID	USER RESOURCE GROUP LID	
	8086	2012	1024	
	⋮	⋮	⋮	

FIG. 11V

USER RESOURCE GROUP TABLE 1018

1018a		1018b	
LID	HOST LID	GROUP NAME 1018c	
1018d 1024	9046	WALMART-EAST	
⋮	⋮	⋮	

FIG. 11W

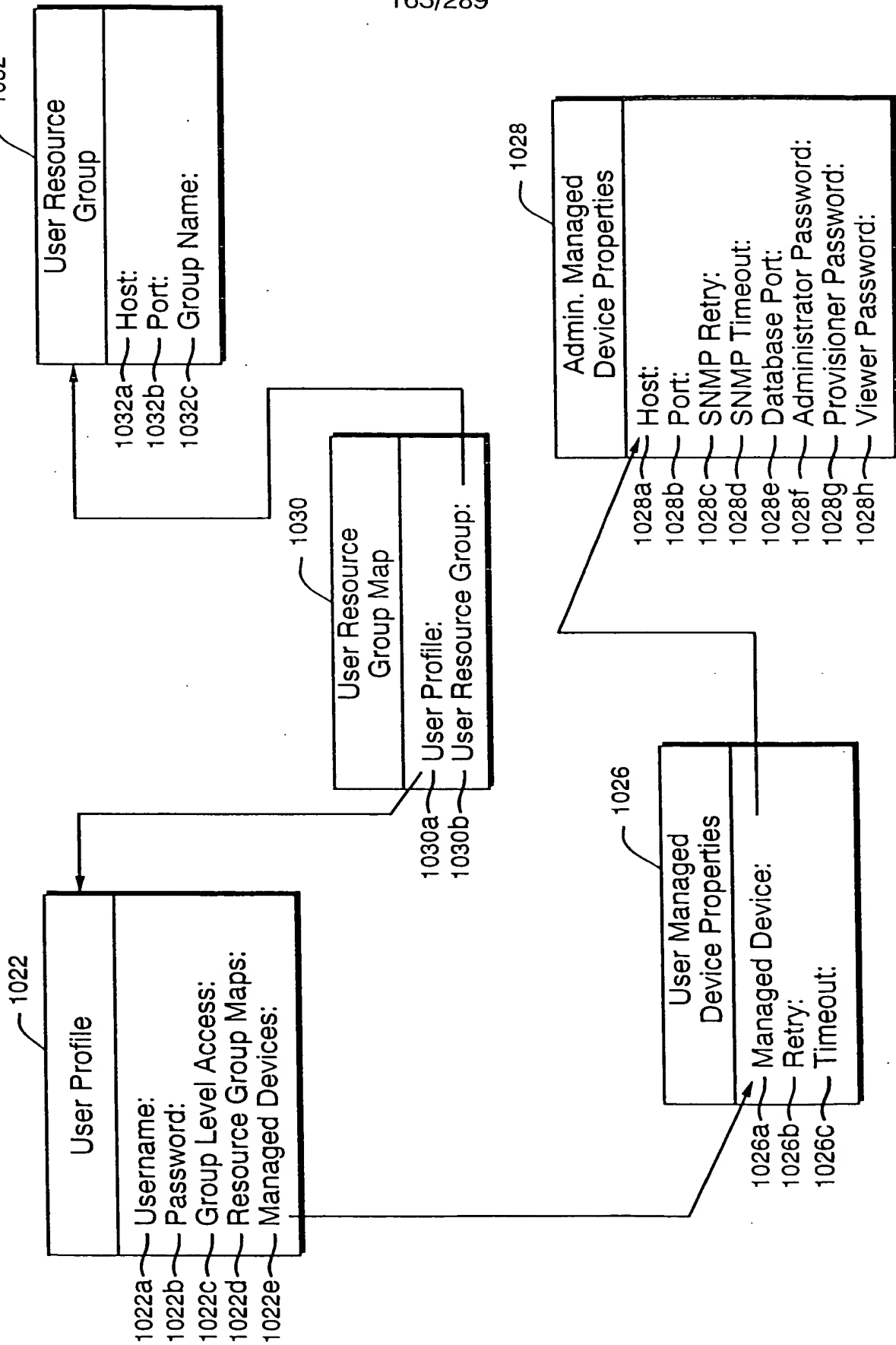
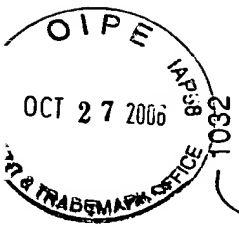


FIG. 11X

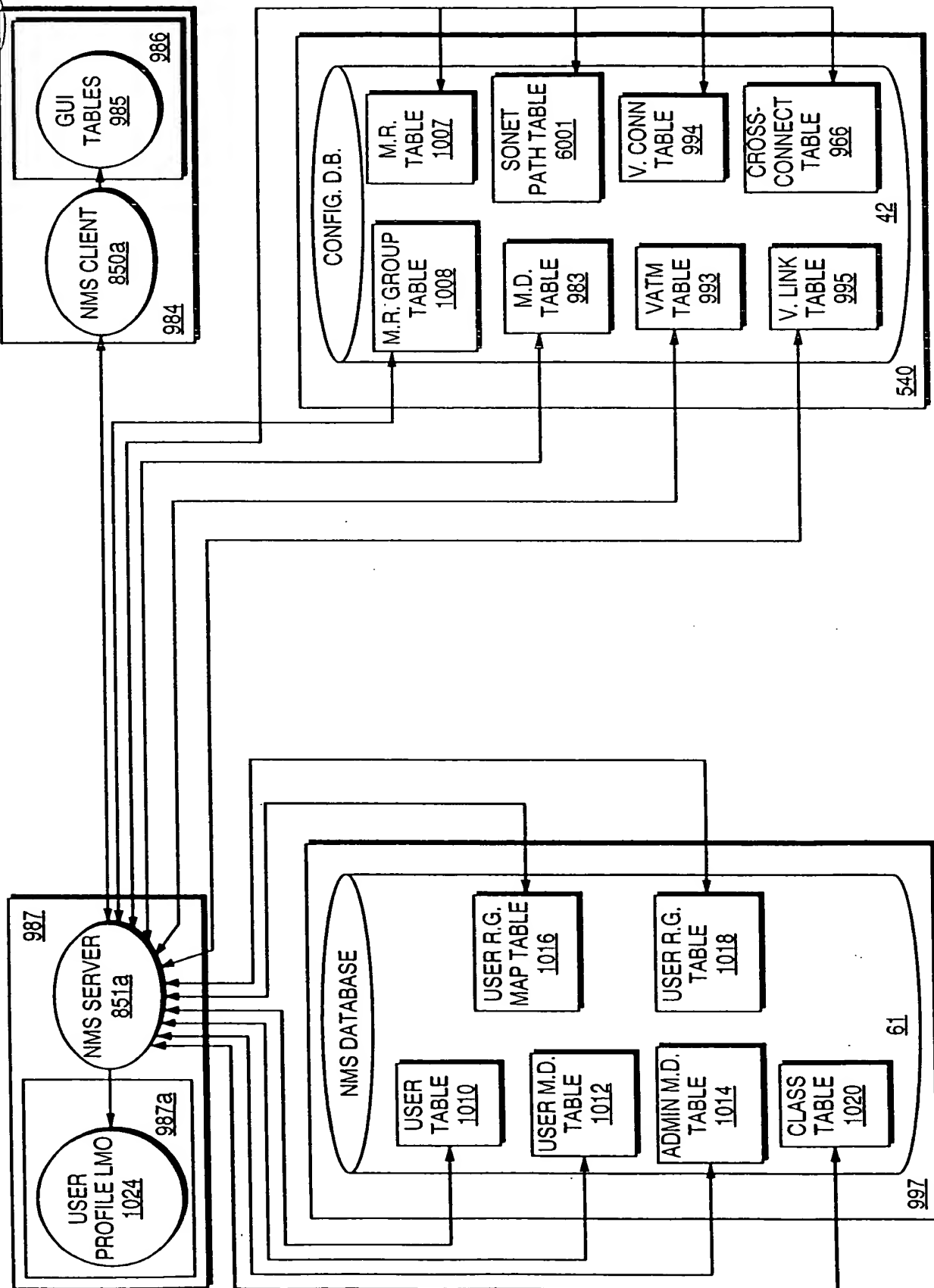


FIG. 11Y

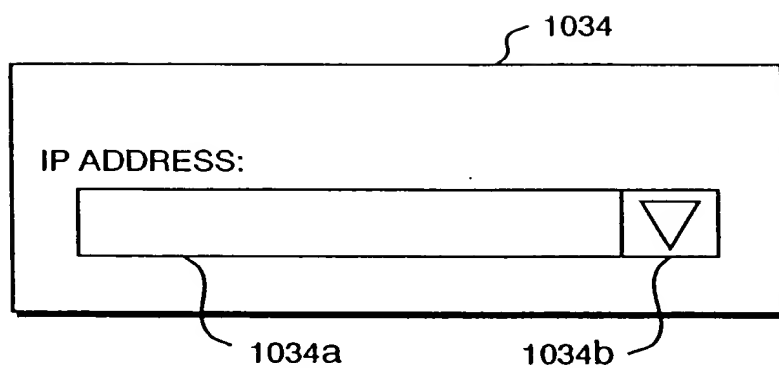


FIG. 11Z

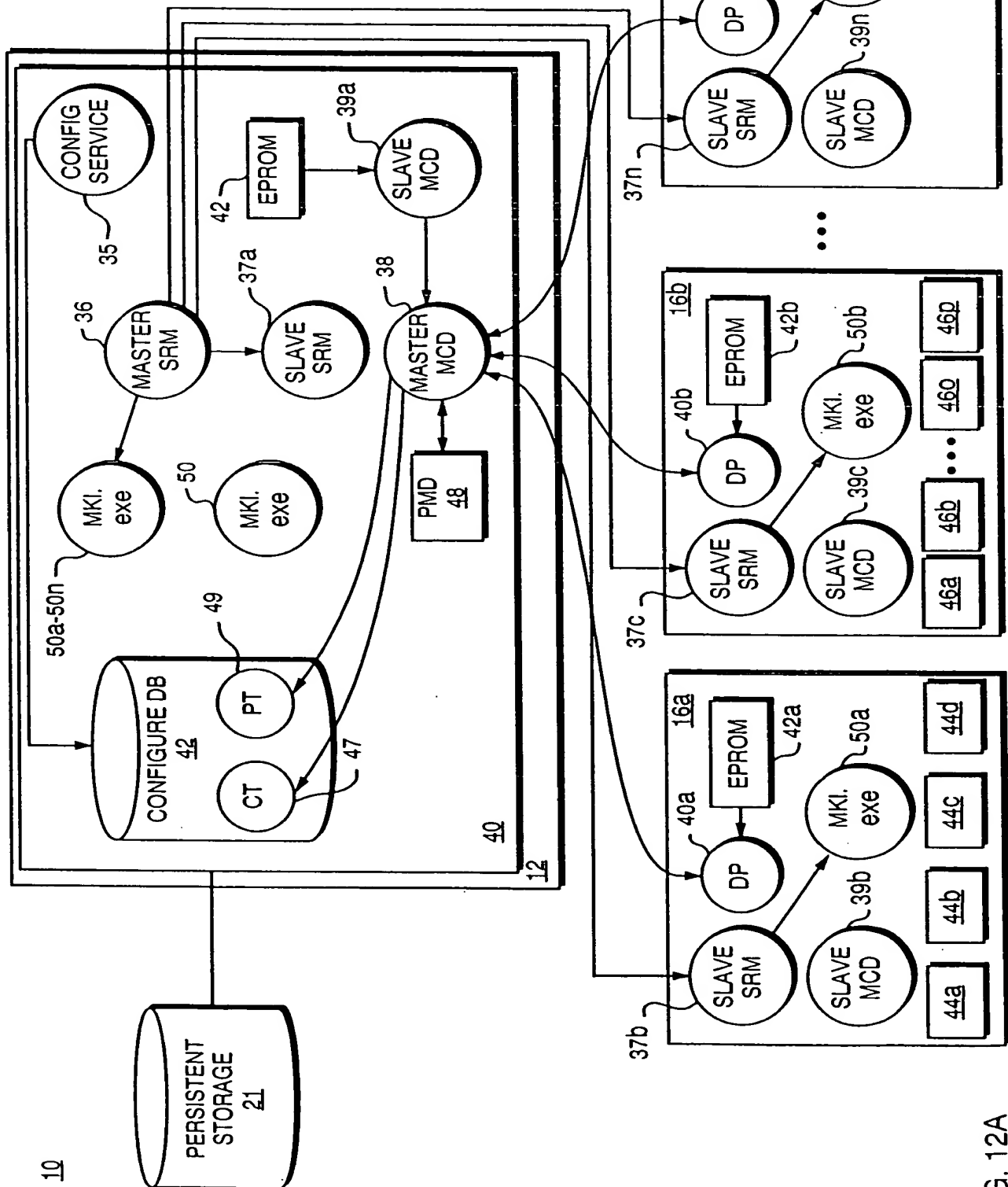


FIG. 12A



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CARD TABLE 47

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B



PORT TABLE 49

	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
	⋮	⋮	⋮	⋮	⋮
46a	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

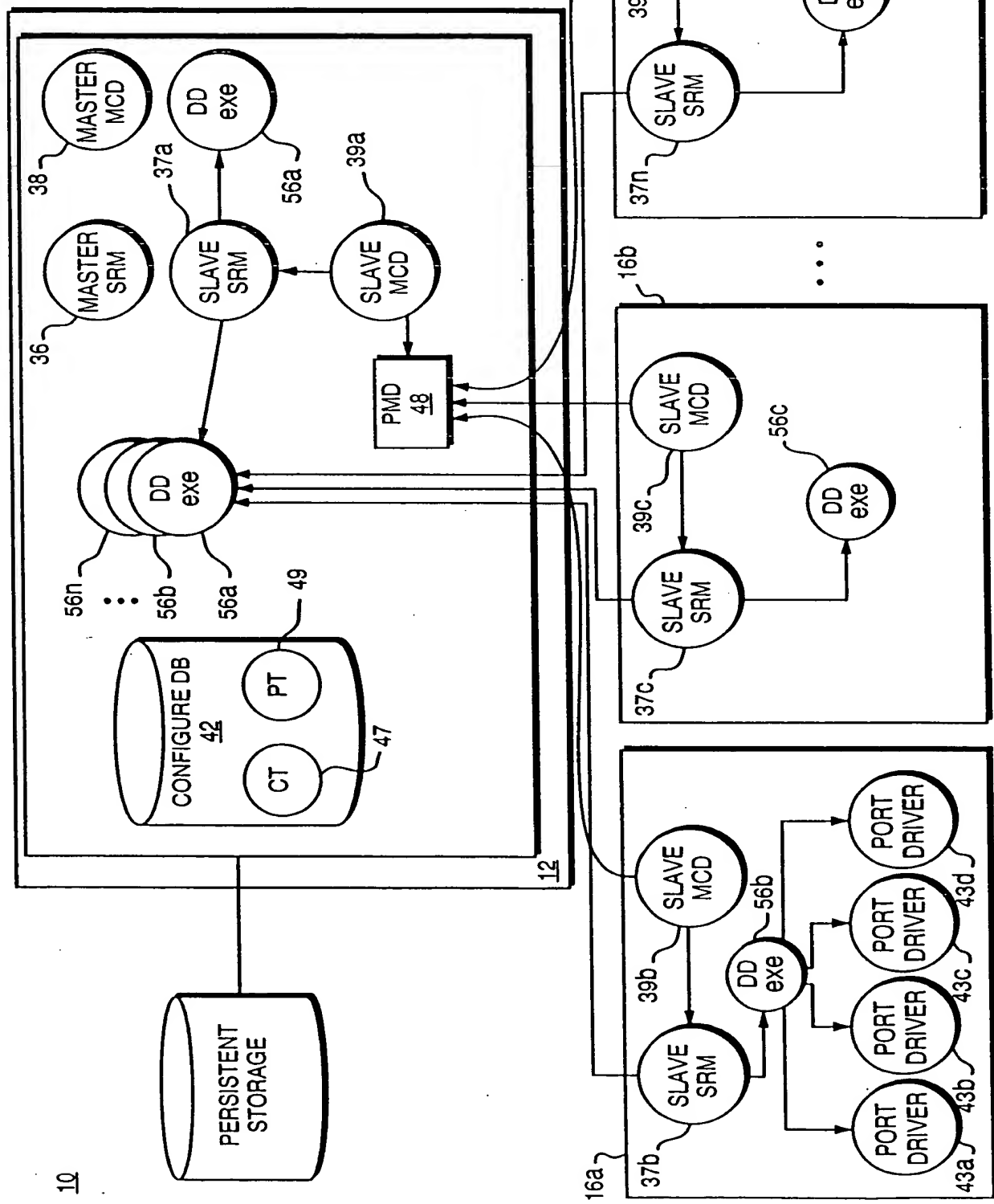


FIG. 13A

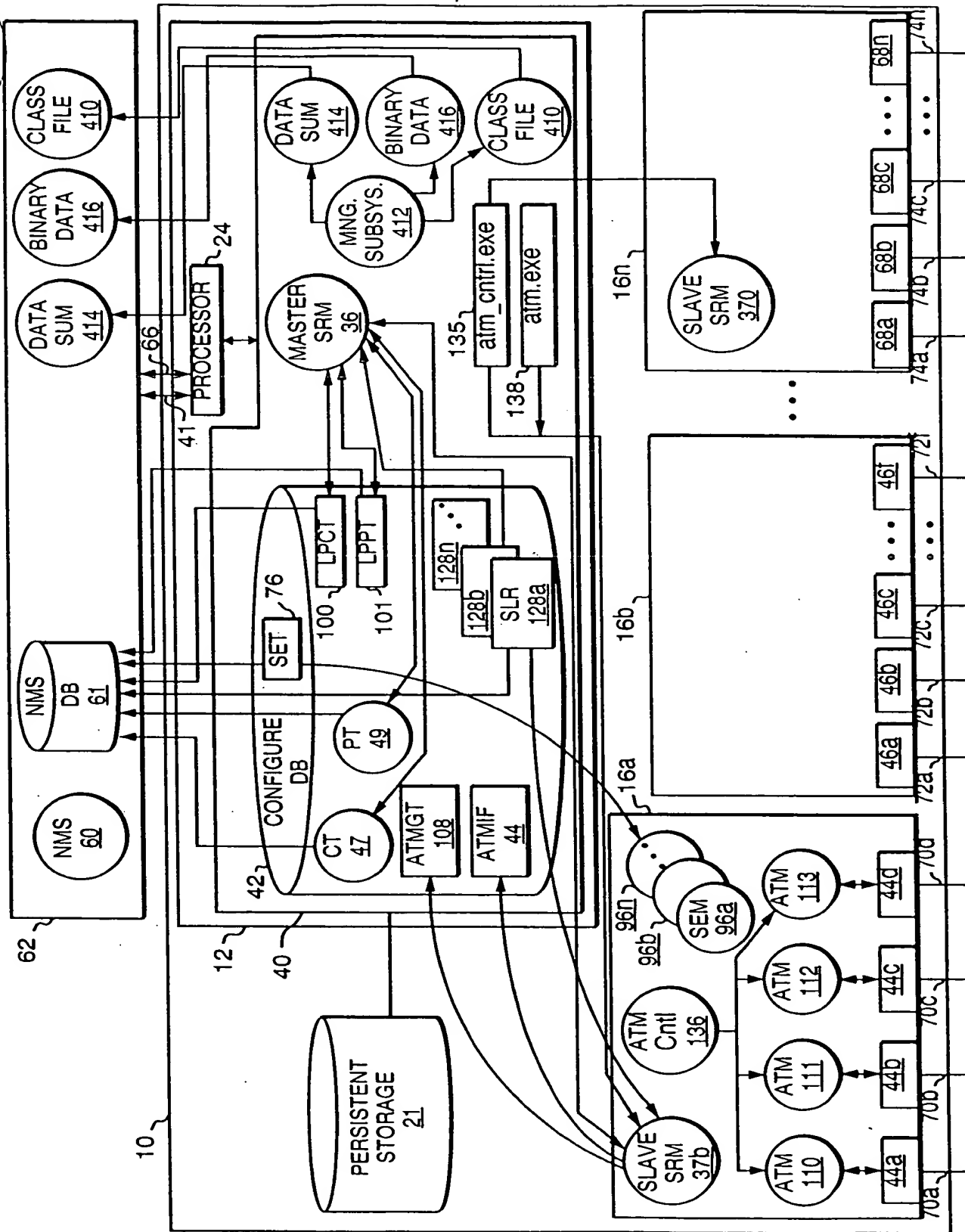


FIG. 13B

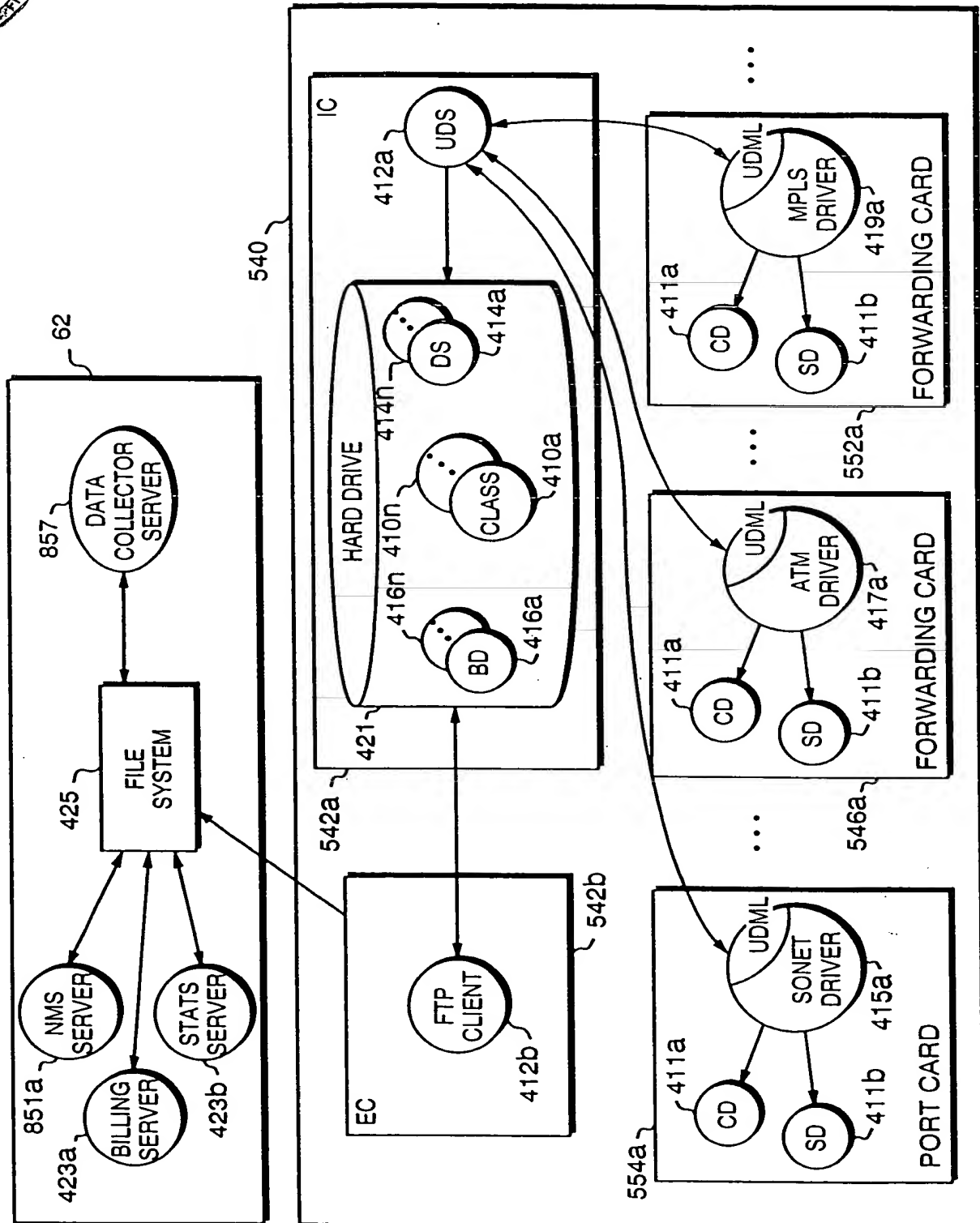


FIG. 13C

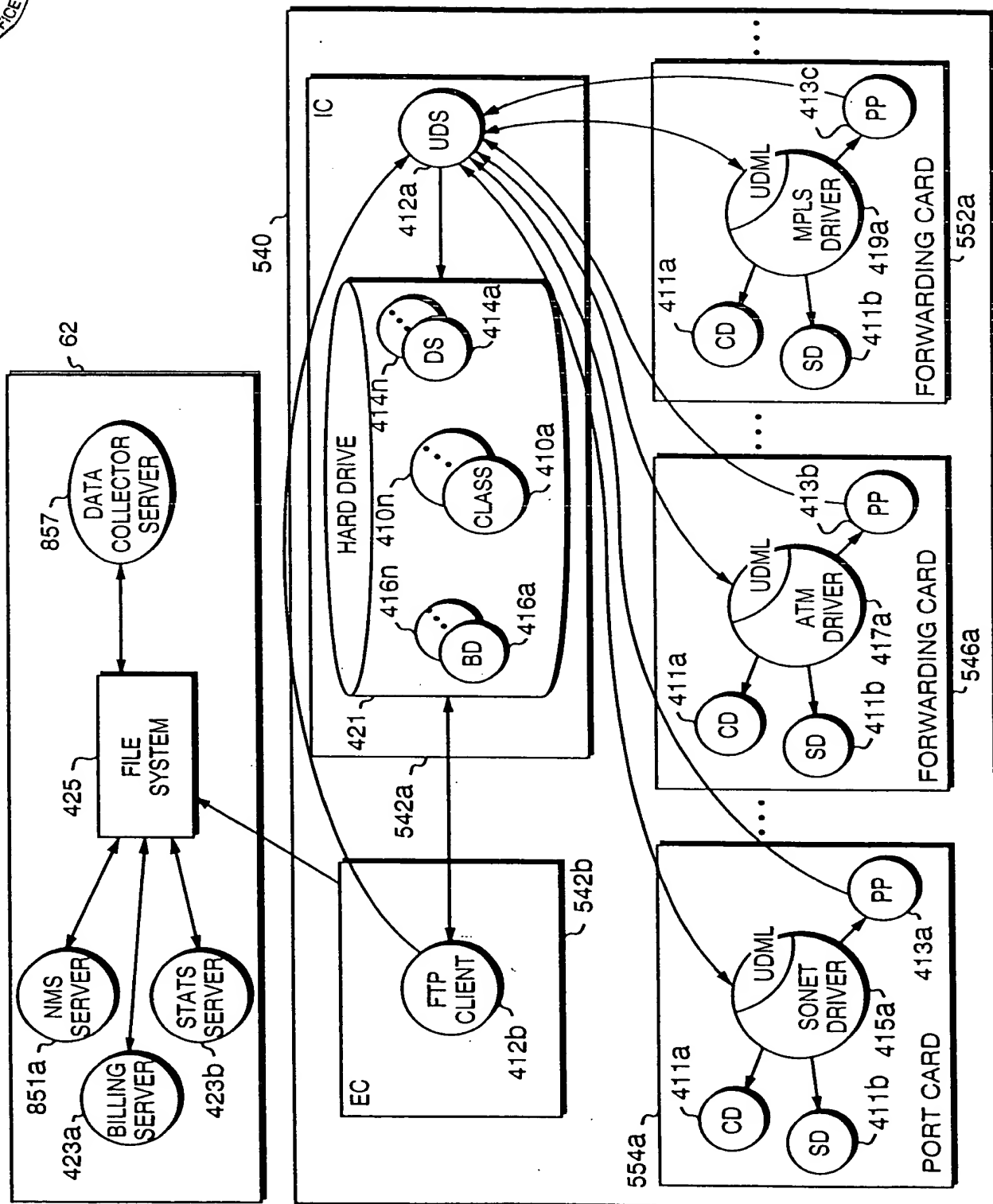


FIG. 13D



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SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	.	.
	.	.
	.	.

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

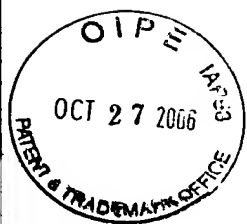
	98	102	104
	LID	PRIMARY PID	BACK-UP PID
106	30	500	513
109	31	501	513
	.	.	.
	.	.	.
	.	.	.

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98	102	104
	LID	PRIMARY PID	BACK-UP PID
107	40	1500	1600
	.	.	.
	.	.	.
	.	.	.

FIG. 14C



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ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
.	.	.	.
.	.	.	.
.	.	.	.
12	3	10	
.	.	.	.
.	.	.	.

FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

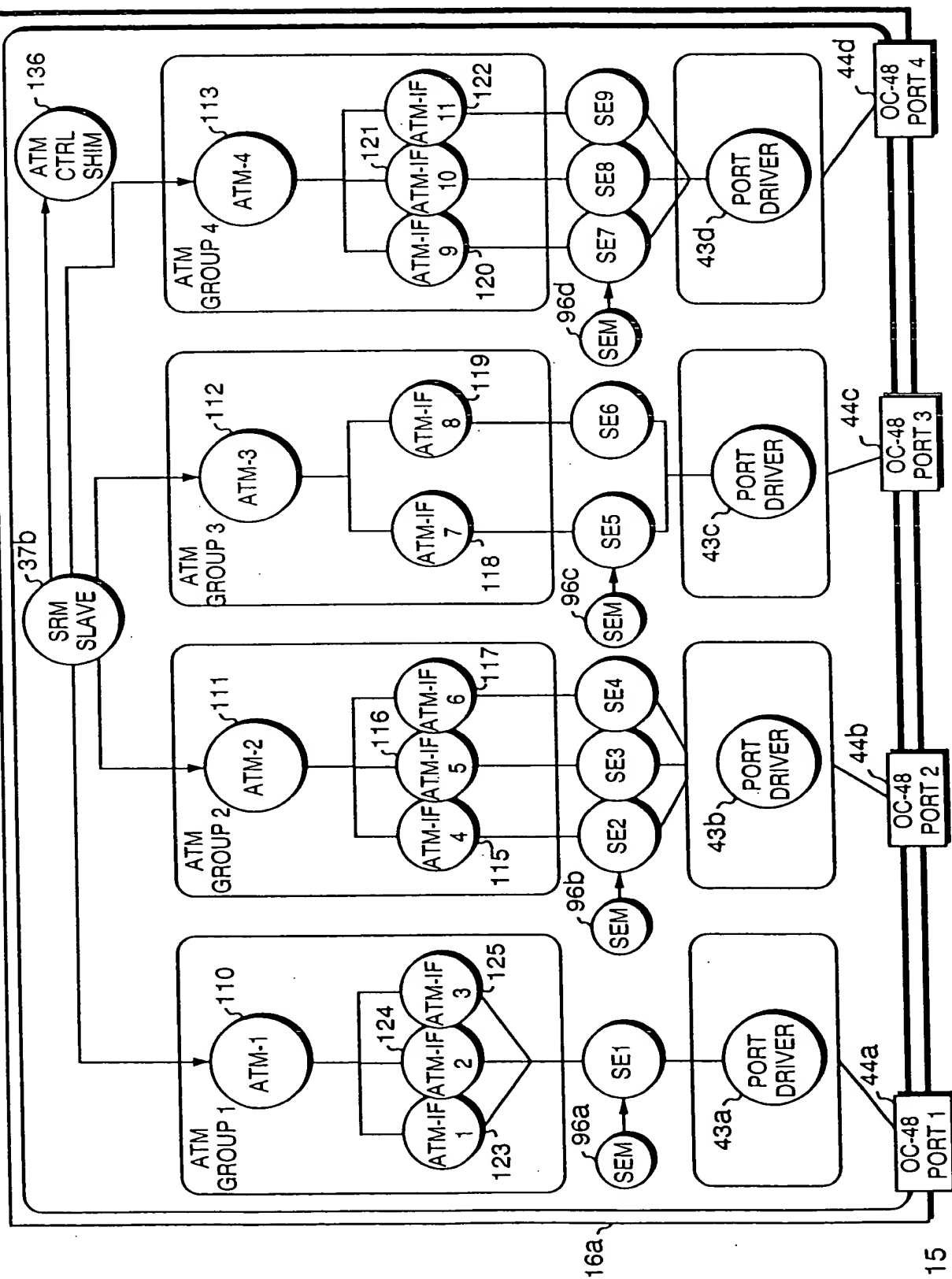


FIG. 15

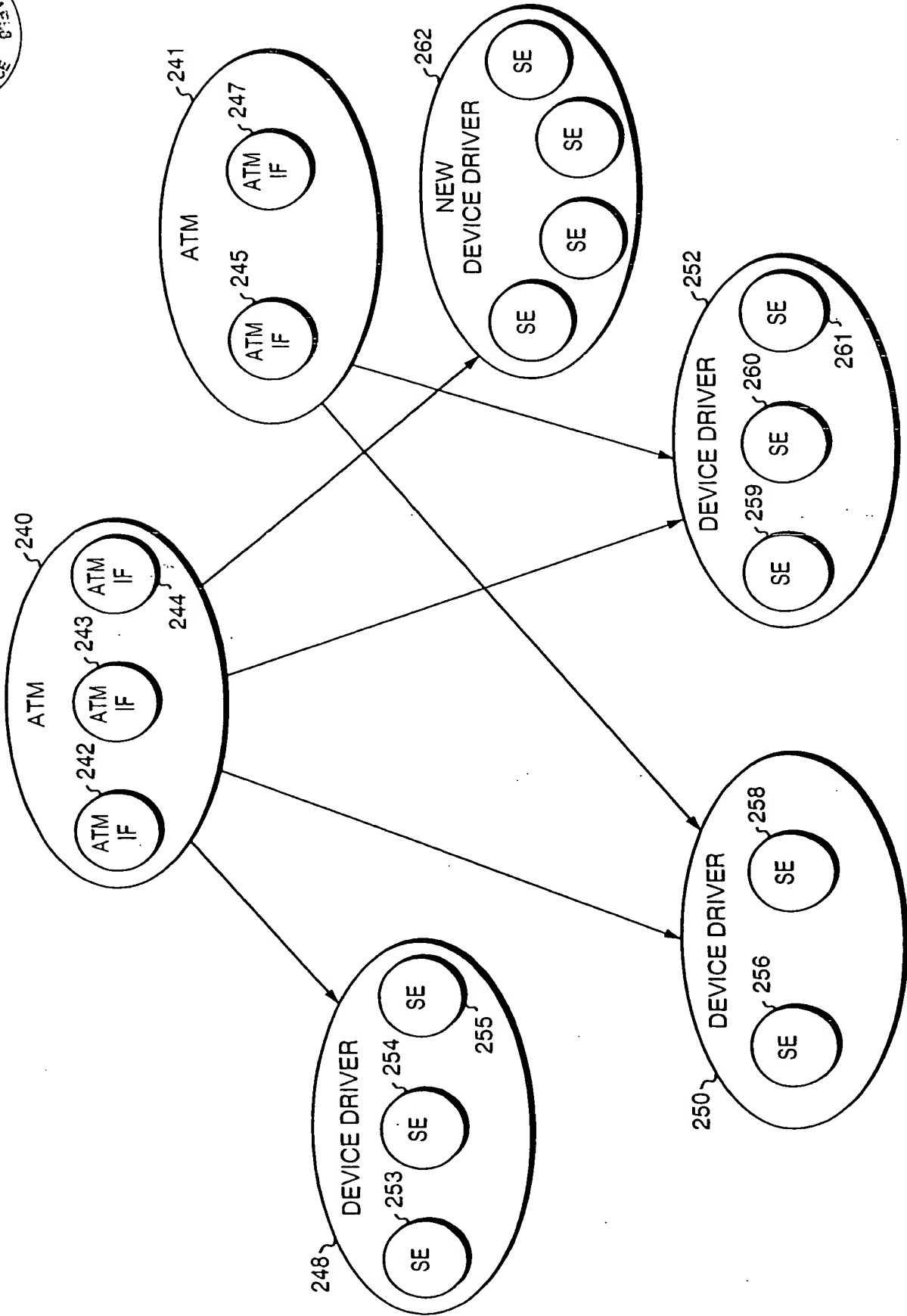


FIG. 16A



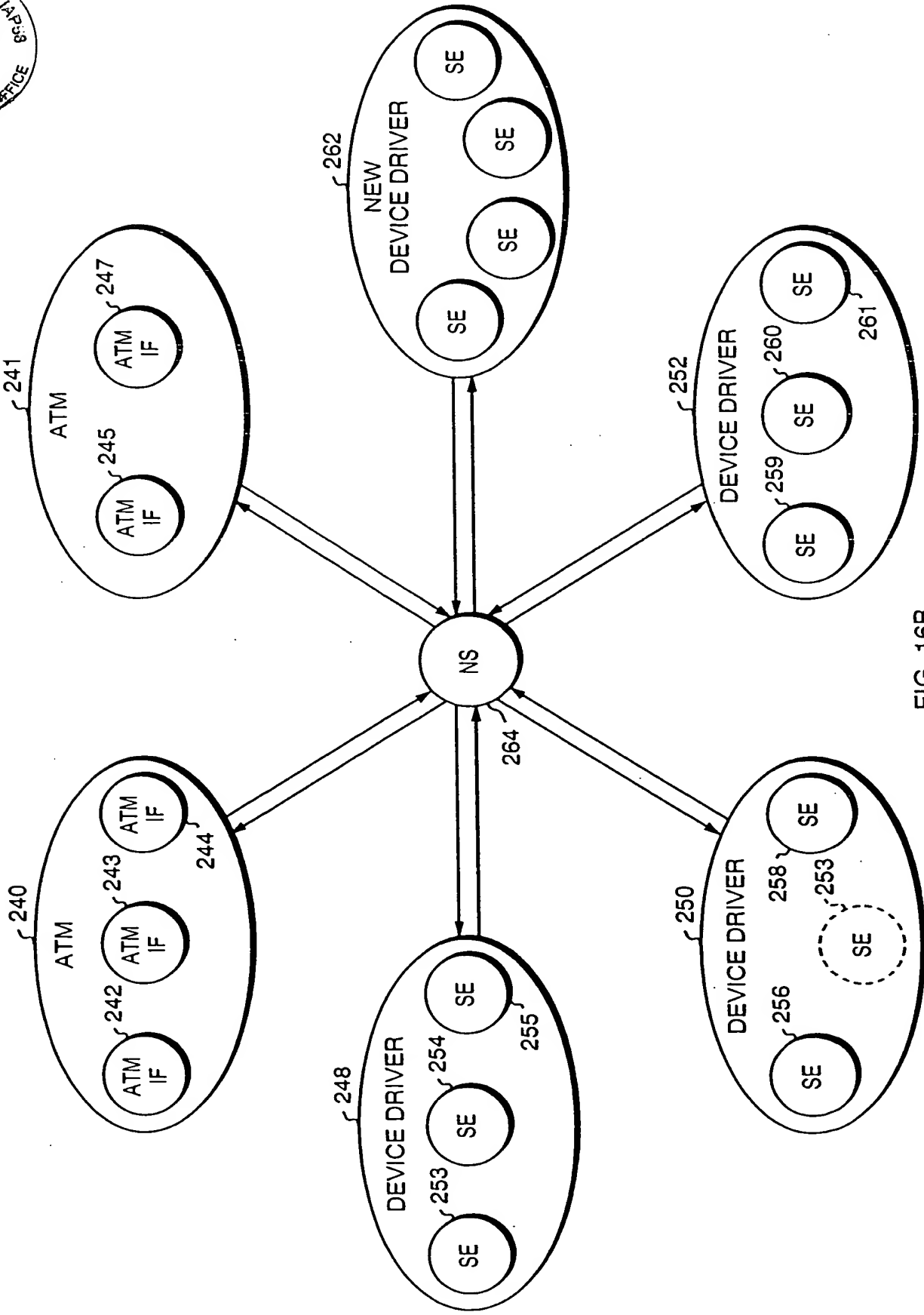


FIG. 16B

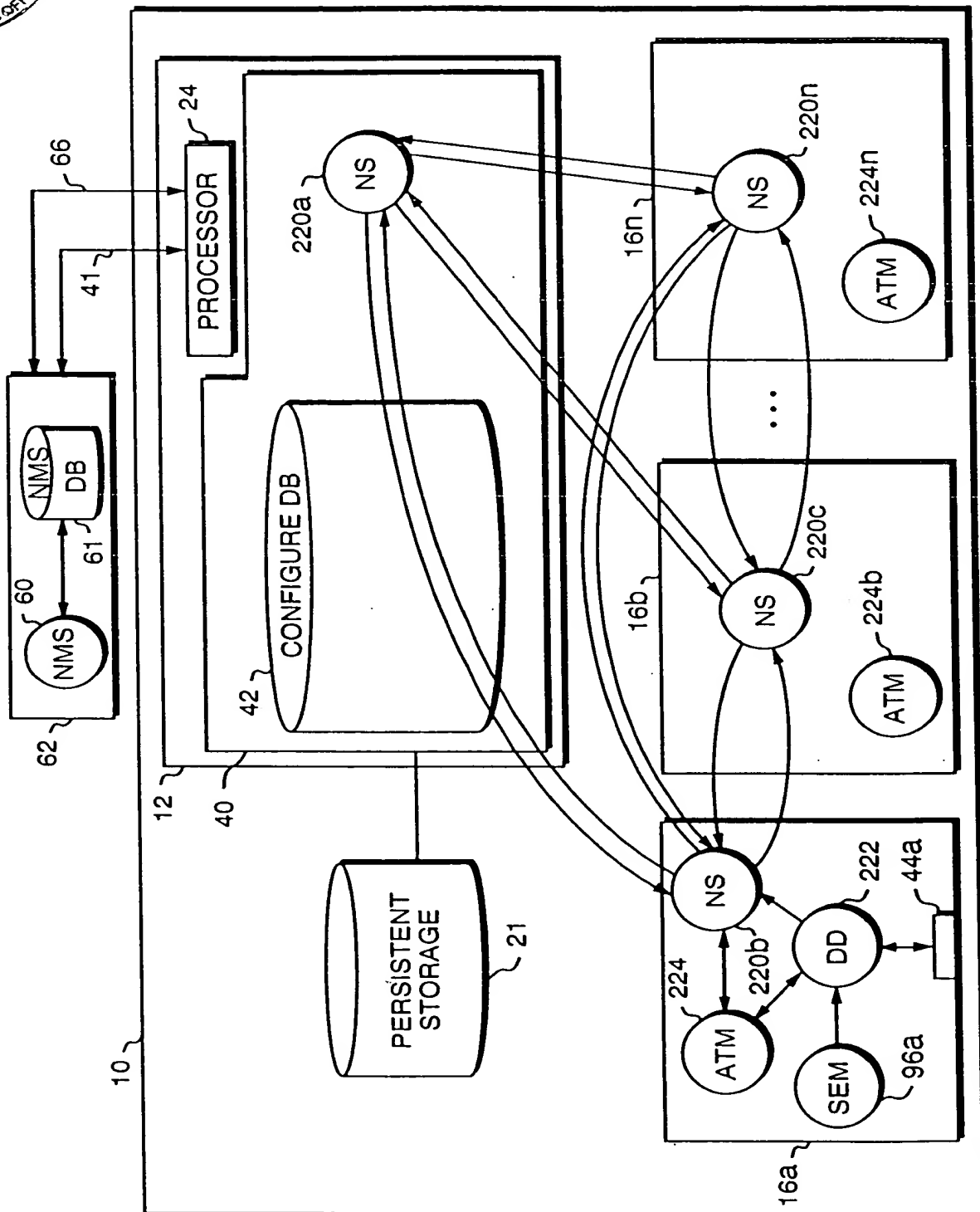


FIG. 16C

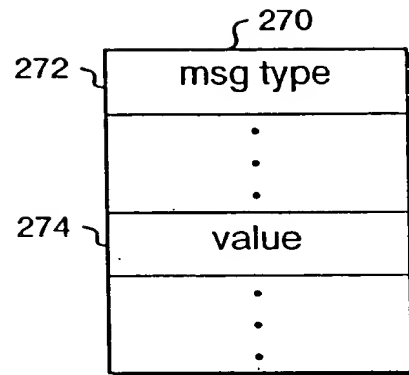


FIG. 16D

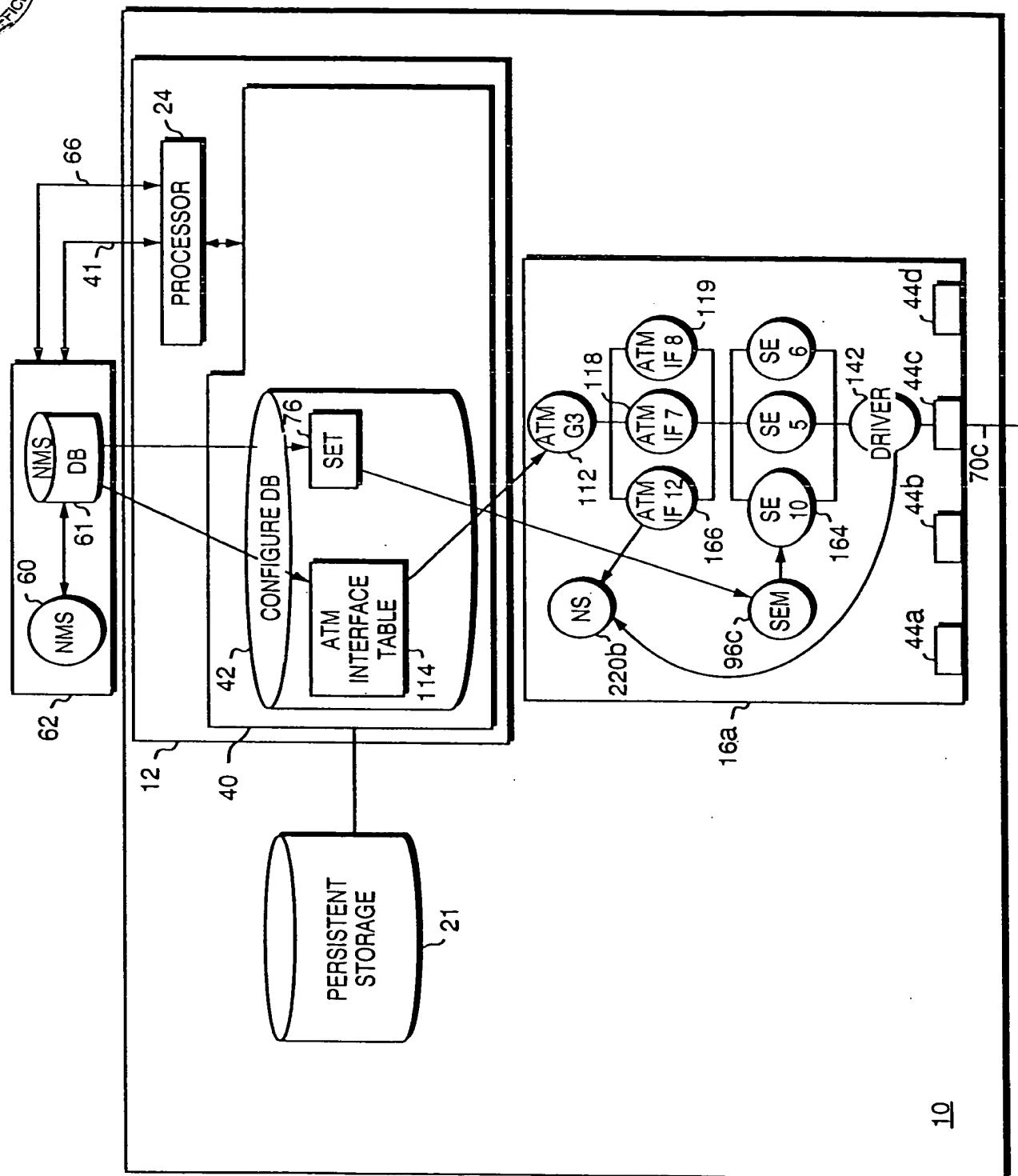


FIG. 17

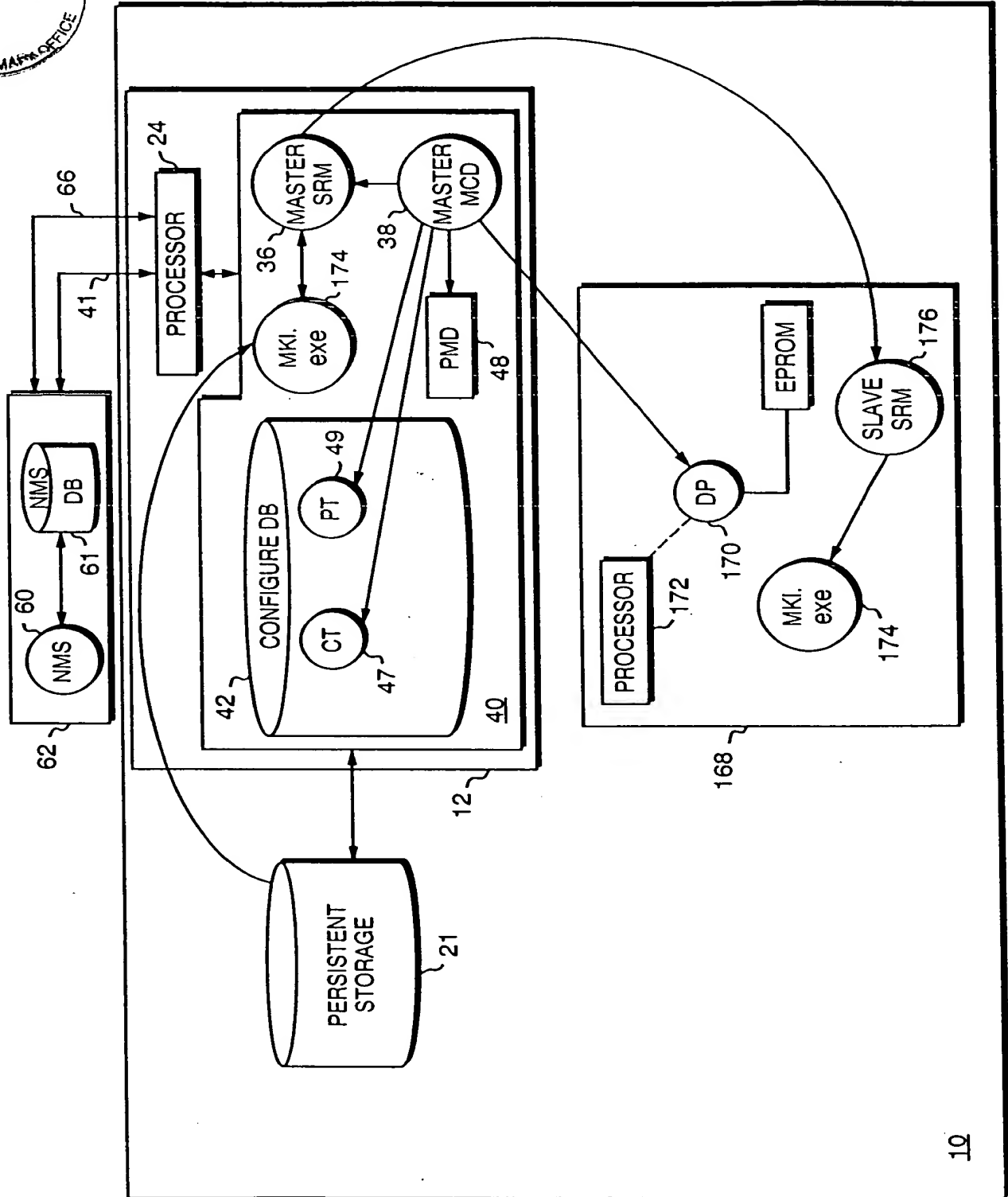


FIG. 18

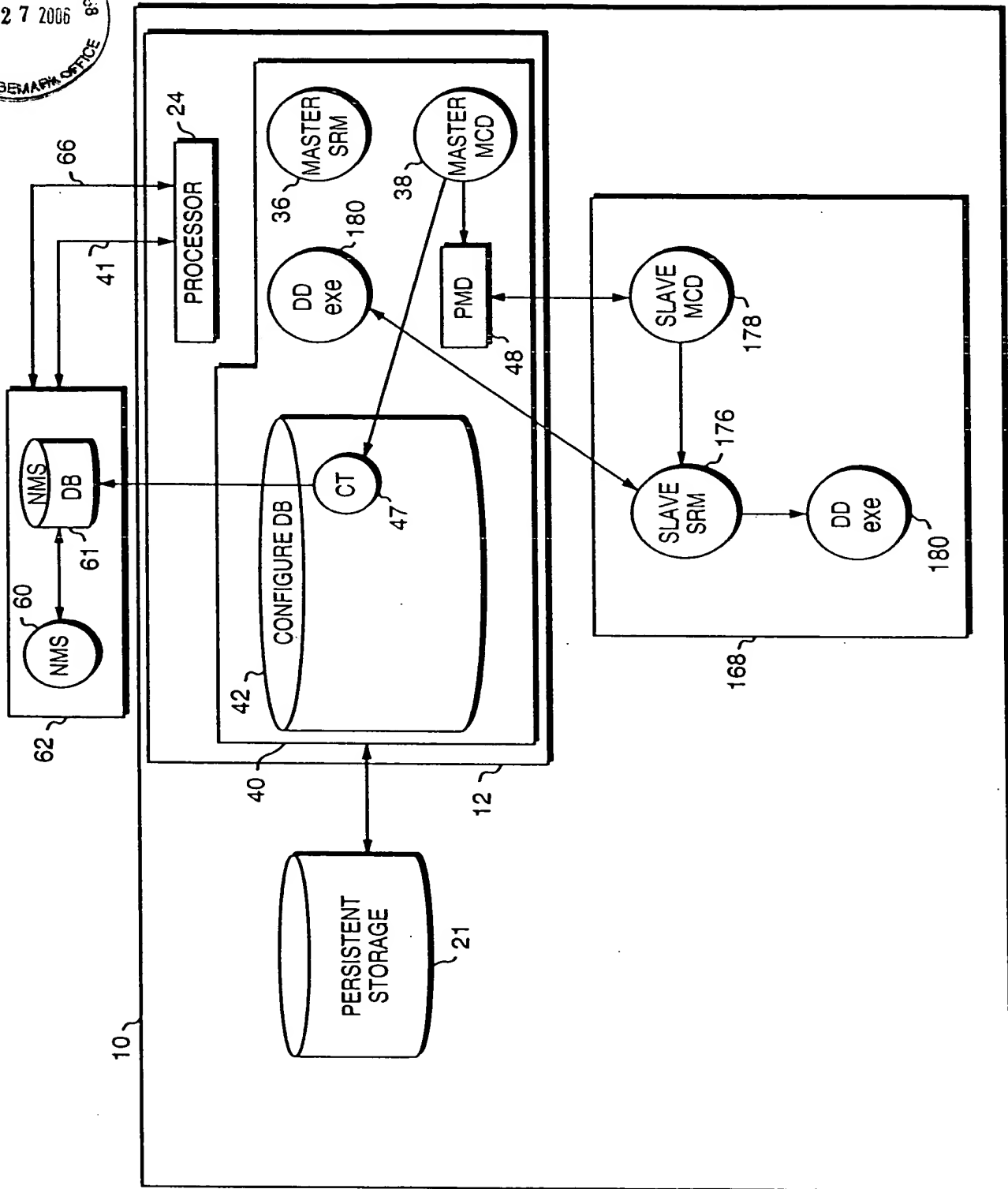


FIG. 19

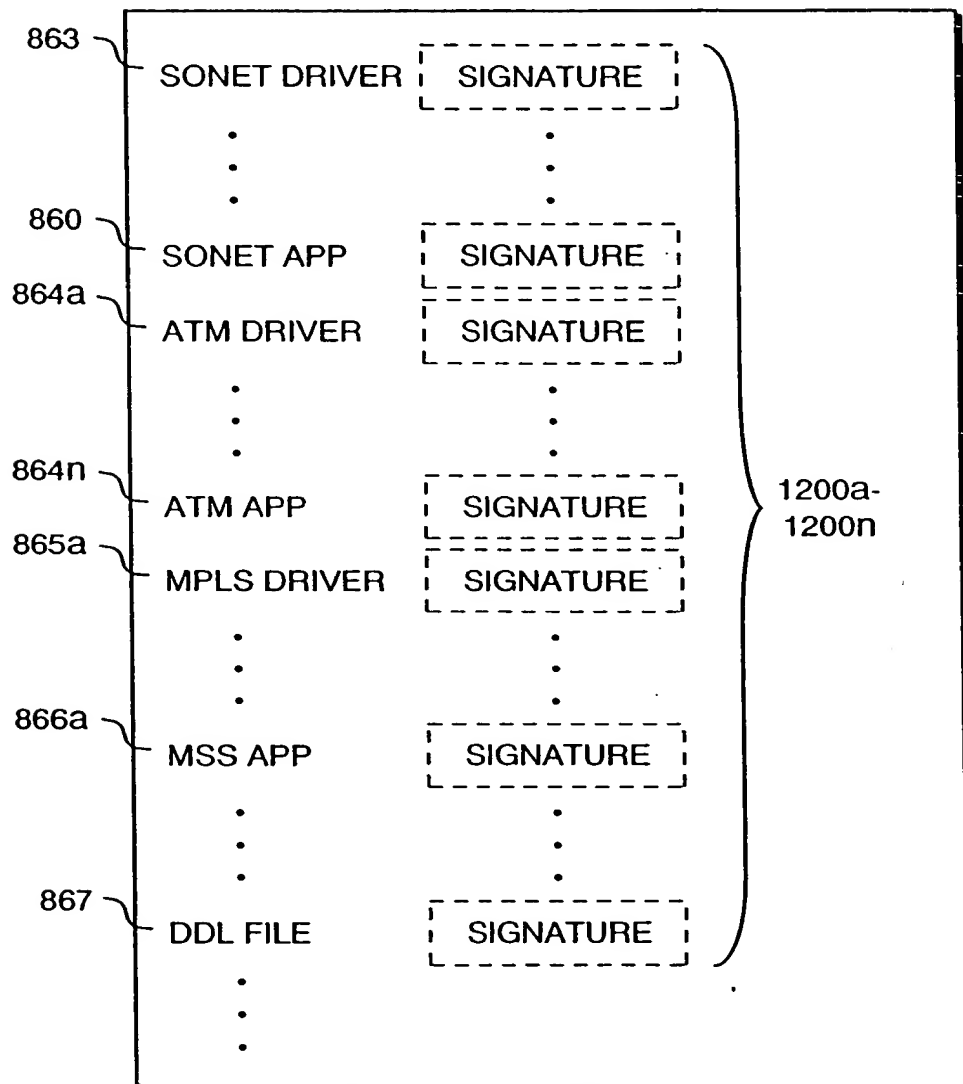
PACKAGING LIST 1200

FIG. 20A

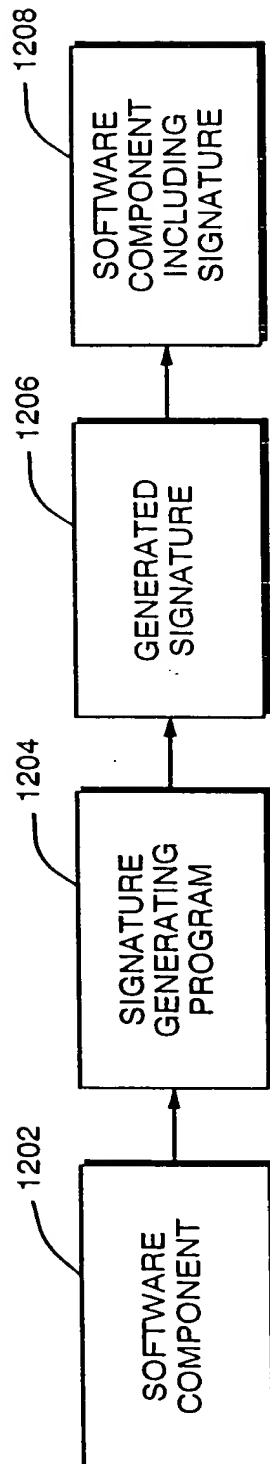


FIG. 20B



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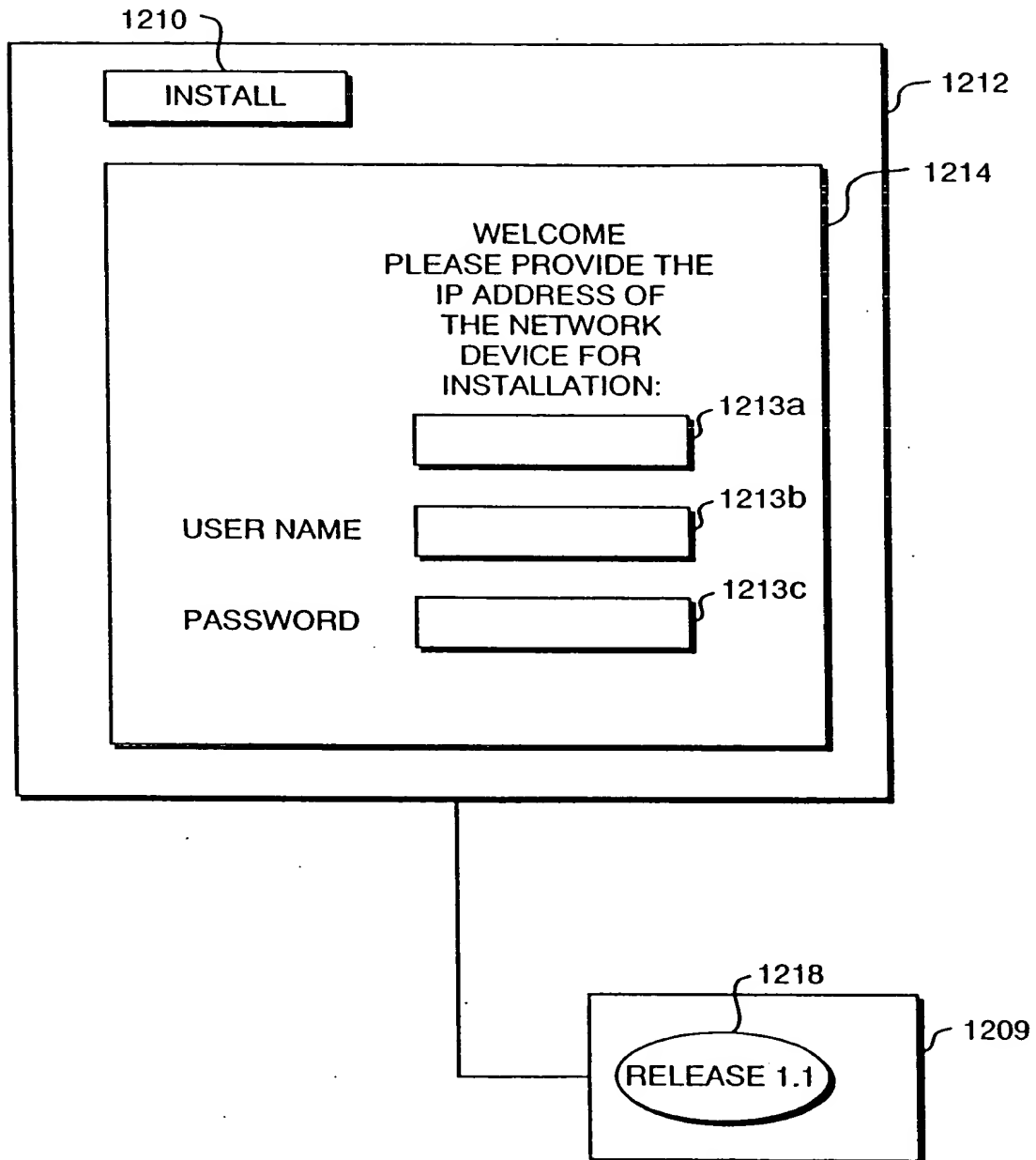


FIG. 20C

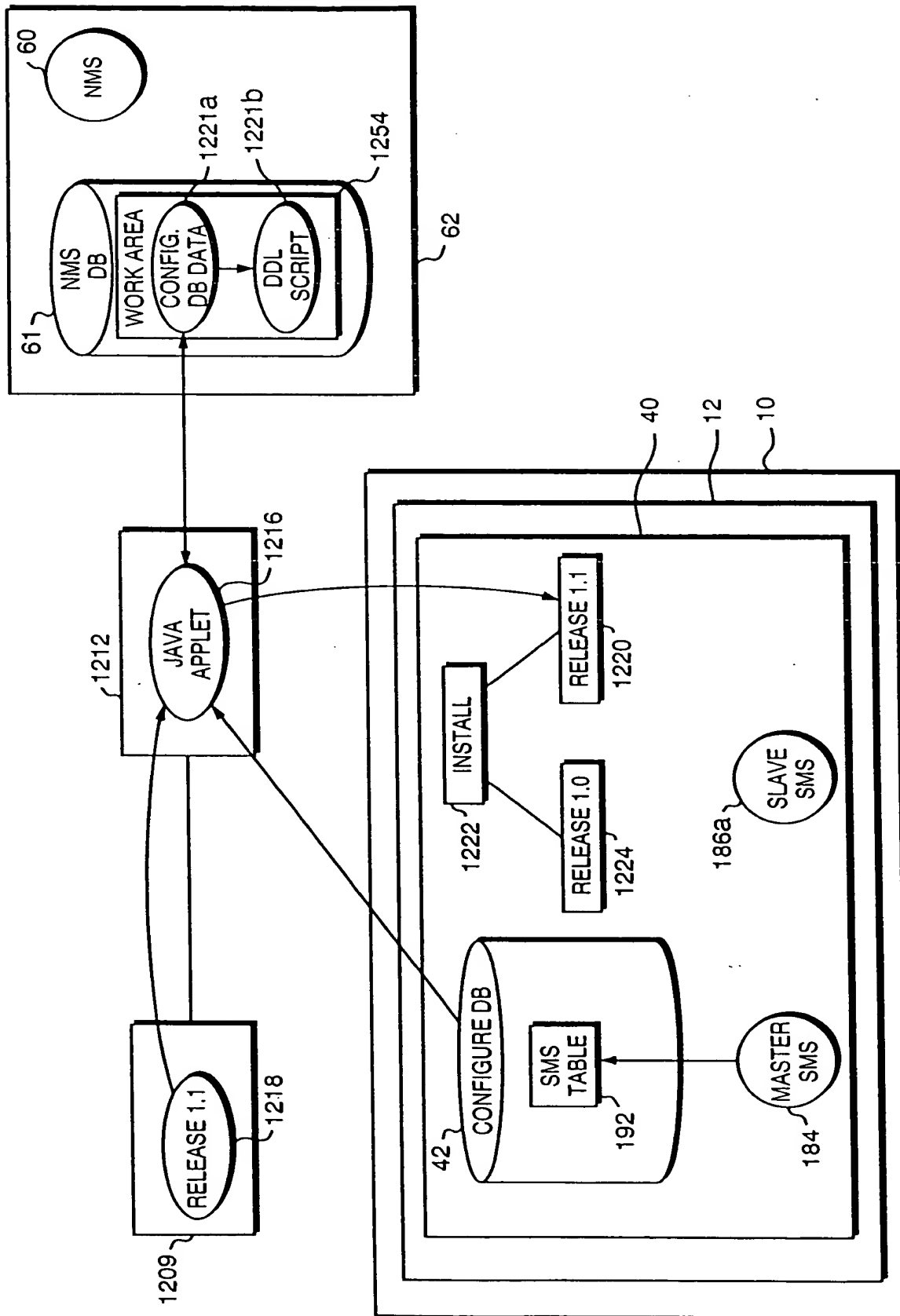


FIG. 20D

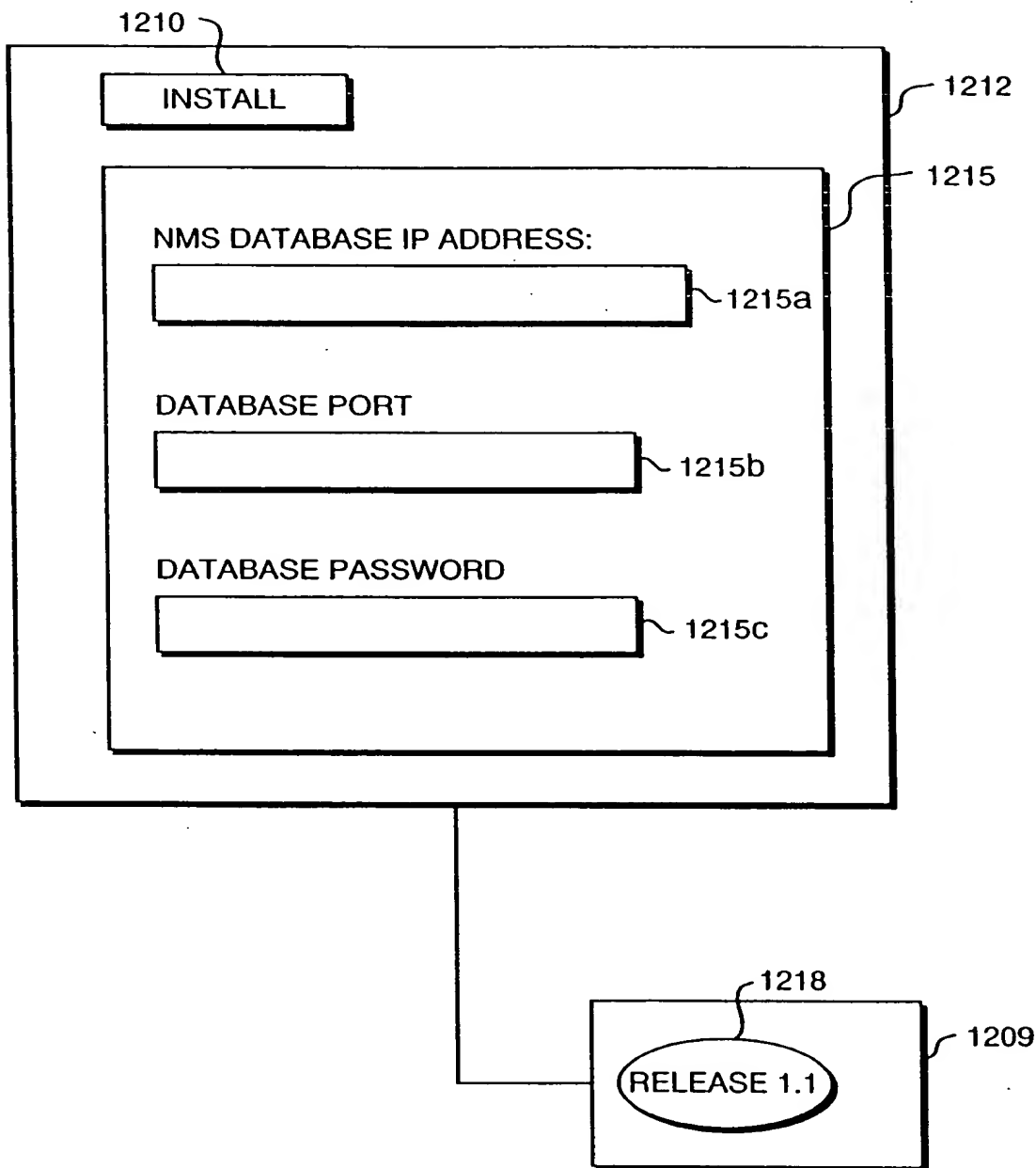


FIG. 20E

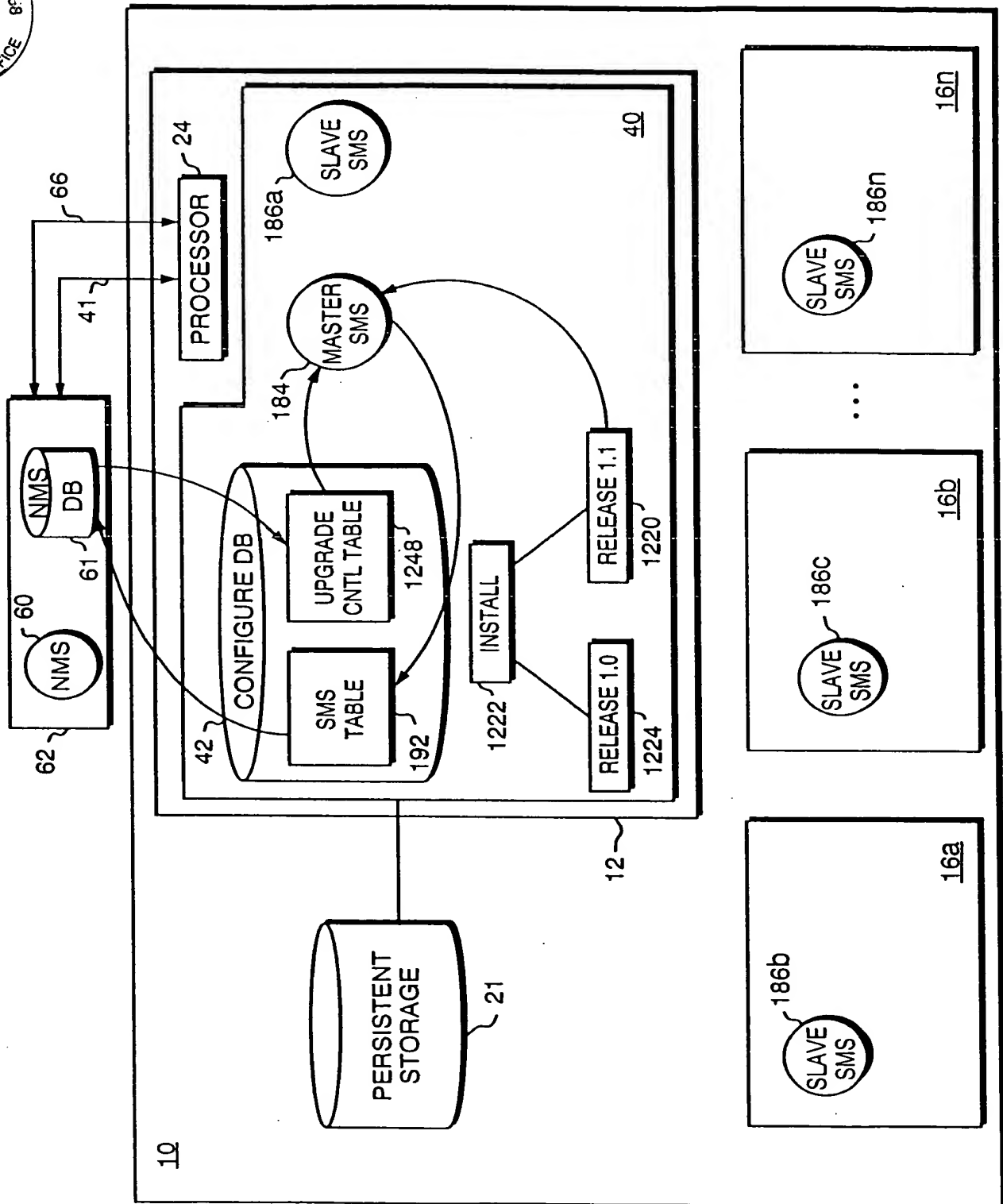
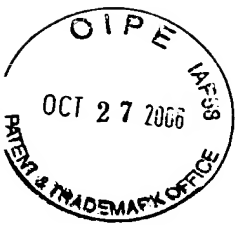


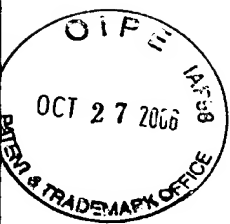
FIG. 21A



SMS TABLE 192

	1226		1228		1230	
	IMAGE LID	VERIFICATION STATUS	UPGRADE MODES	...		
1227	9623	PASSED	x2348	...		
	⋮	⋮	⋮	⋮		

FIG. 21B



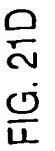
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1232

AVAILABLE RELEASES	
RELEASE 1.0	
RELEASE 1.1	

1230

FIG. 21C





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A rectangular menu box titled "IMAGE CONTROL". On the left side, three options are listed, each preceded by a checkbox and a reference number: 1238 for "DELETE", 1239 for "RE-VERIFY", and 1240 for "INSTALL". A bracket on the right side of the menu box is labeled 1236.

IMAGE CONTROL	
<input type="checkbox"/> 1238	DELETE
<input type="checkbox"/> 1239	RE-VERIFY
<input type="checkbox"/> 1240	INSTALL

FIG. 21E

A rectangular menu box titled "UPGRADE MODE". On the left side, five options are listed, each preceded by a checkbox and a reference number: 1243 for "HOT", 1244 for "COLD", 1245 for "ENTIRE CHASSIS", 1246 for "BOARD-BY-BOARD", and 1247 for "PATH-BY-PATH". Below these is a vertical ellipsis. At the bottom, there is a checkbox followed by "TIME FOR INSTALLATION" and a rectangular input field. A bracket on the right side of the menu box is labeled 1242, and a bracket pointing to the input field is labeled 1249.

UPGRADE MODE	
<input type="checkbox"/> 1243	HOT
<input type="checkbox"/> 1244	COLD
<input type="checkbox"/> 1245	ENTIRE CHASSIS
<input type="checkbox"/> 1246	BOARD-BY-BOARD
<input type="checkbox"/> 1247	PATH-BY-PATH
.	
.	
.	
<input type="checkbox"/>	TIME FOR INSTALLATION
	<input type="text"/>

FIG. 21F



UPGRADE CONTROL TABLE 1248

		1252	1253	1255	
1250	IMAGE LID	COMMAND	TIME FOR INSTALLATION	STATUS	...
1251	9623	X2344			...
	⋮	⋮	⋮	⋮	⋮

FIG. 21G

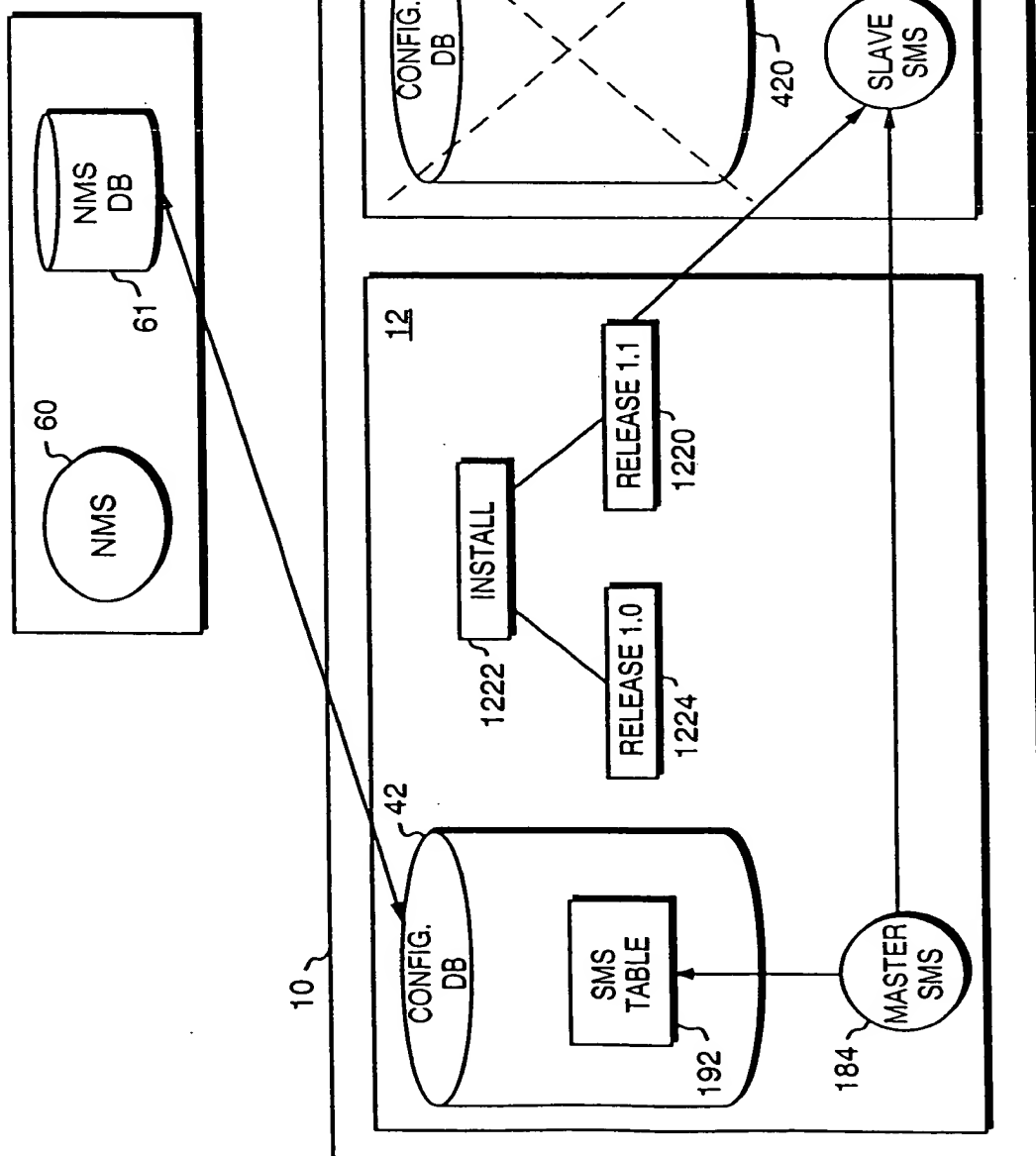


FIG. 22

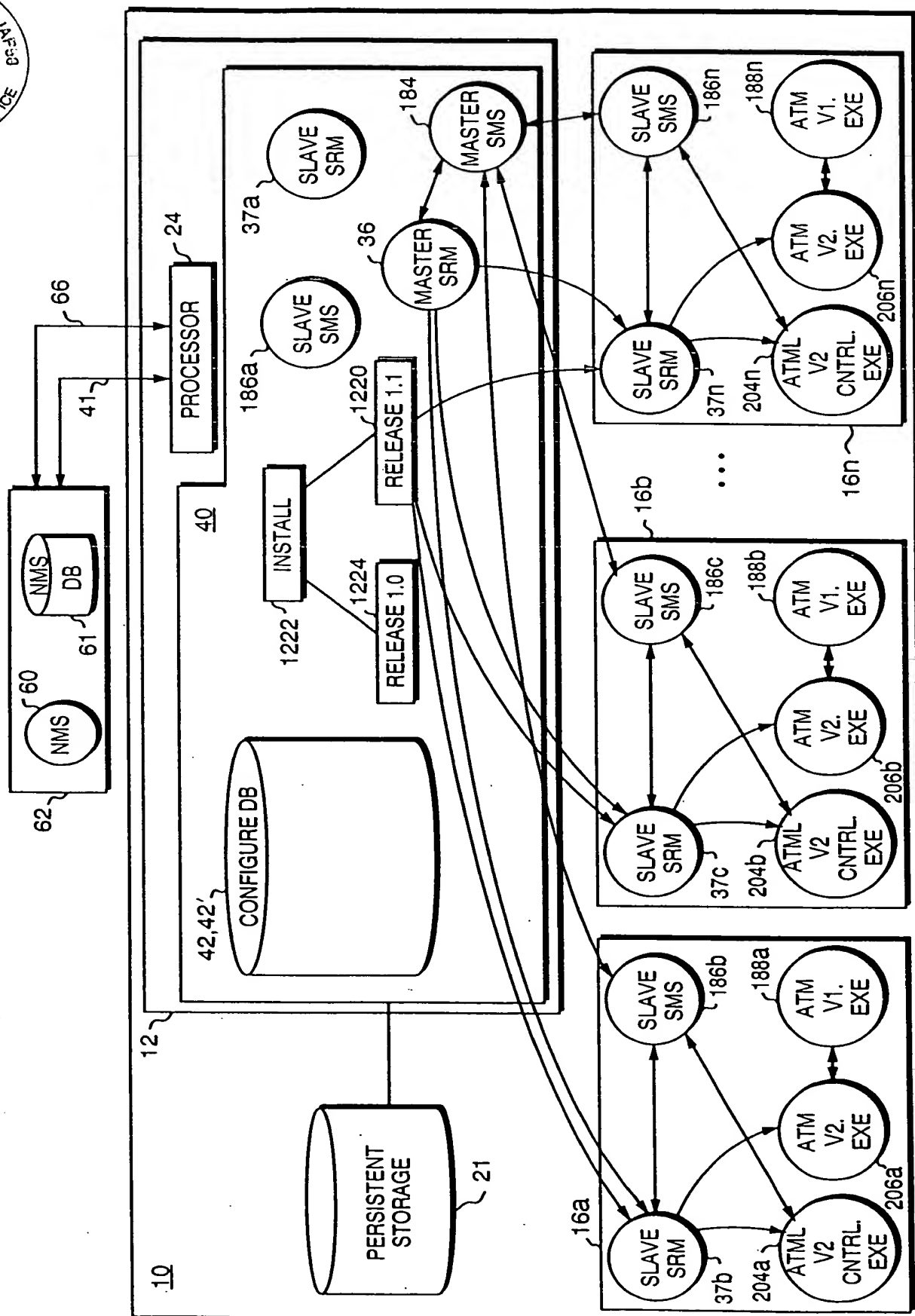


FIG. 23

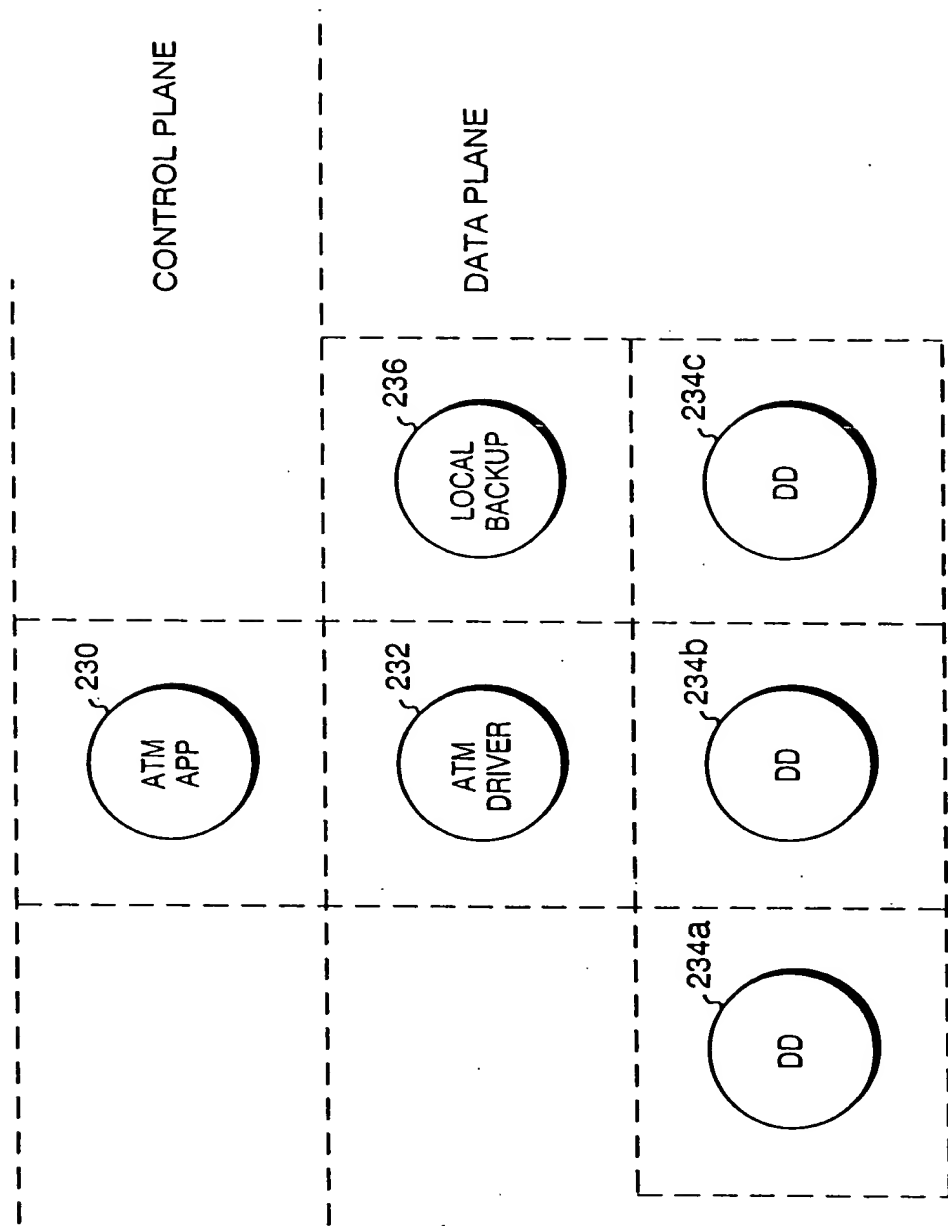


FIG. 24

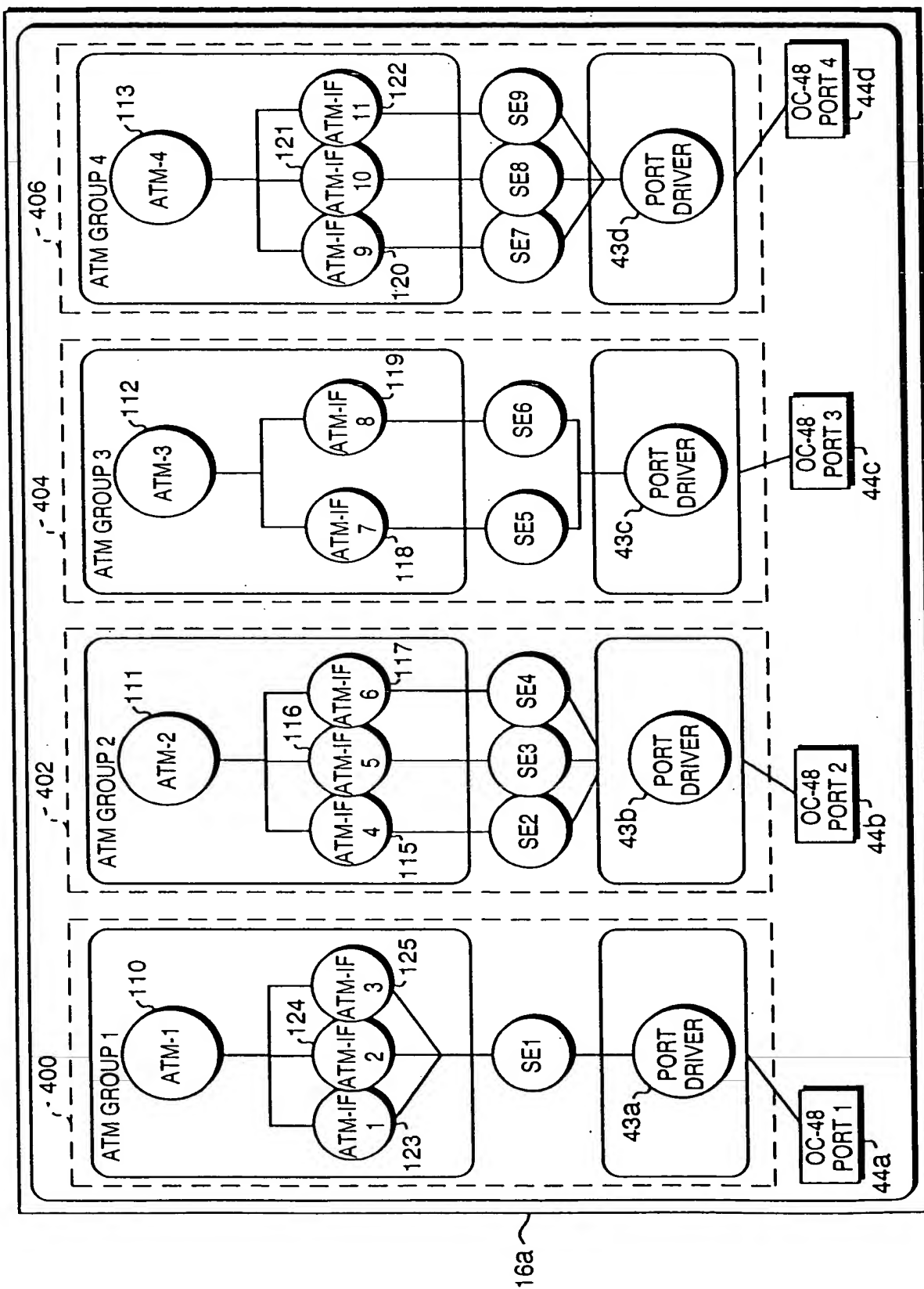


FIG. 25



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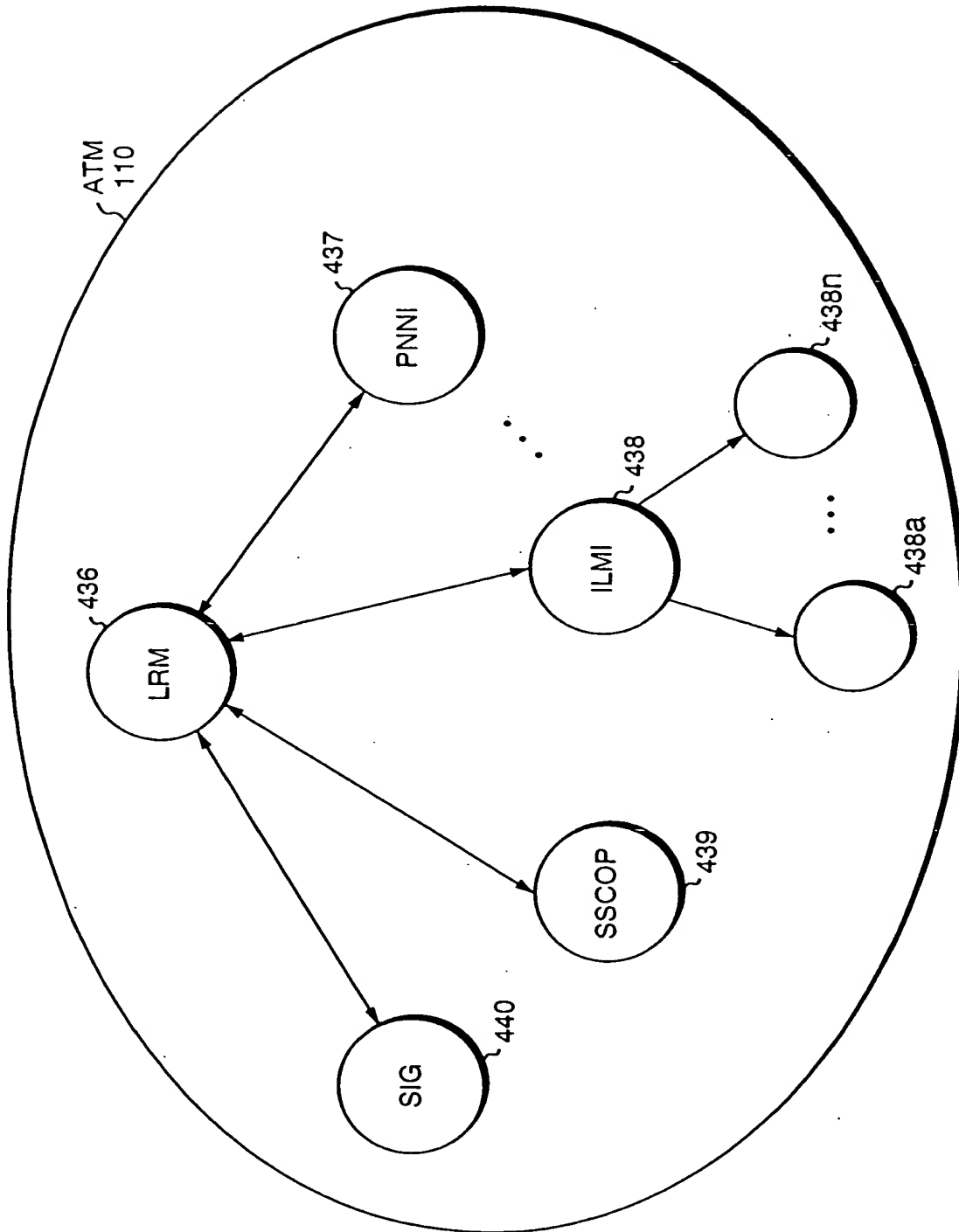


FIG. 27



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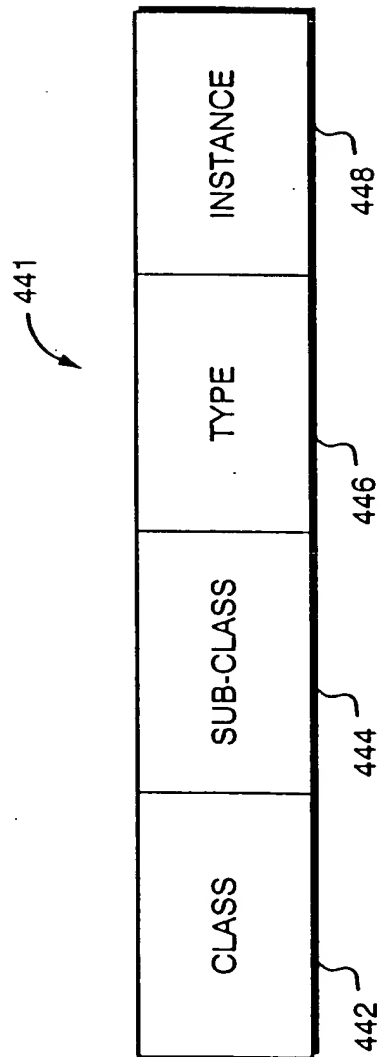
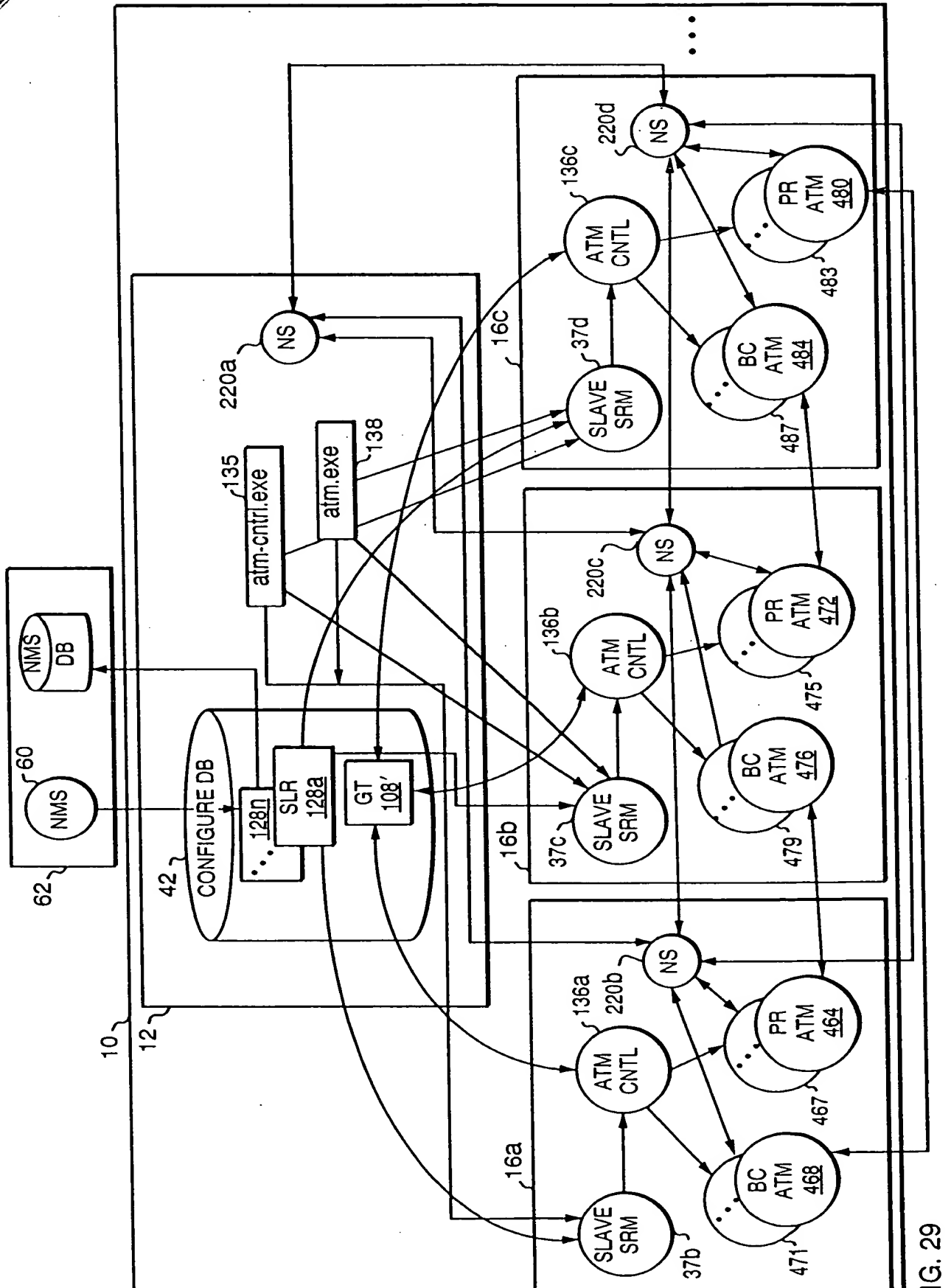


FIG. 28

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GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	

FIG. 30

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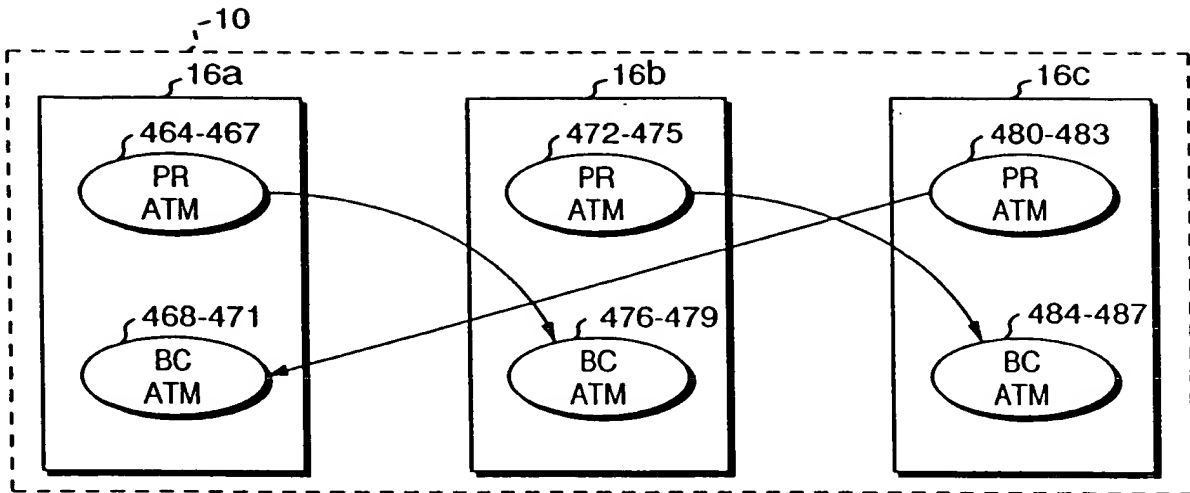


FIG. 31A

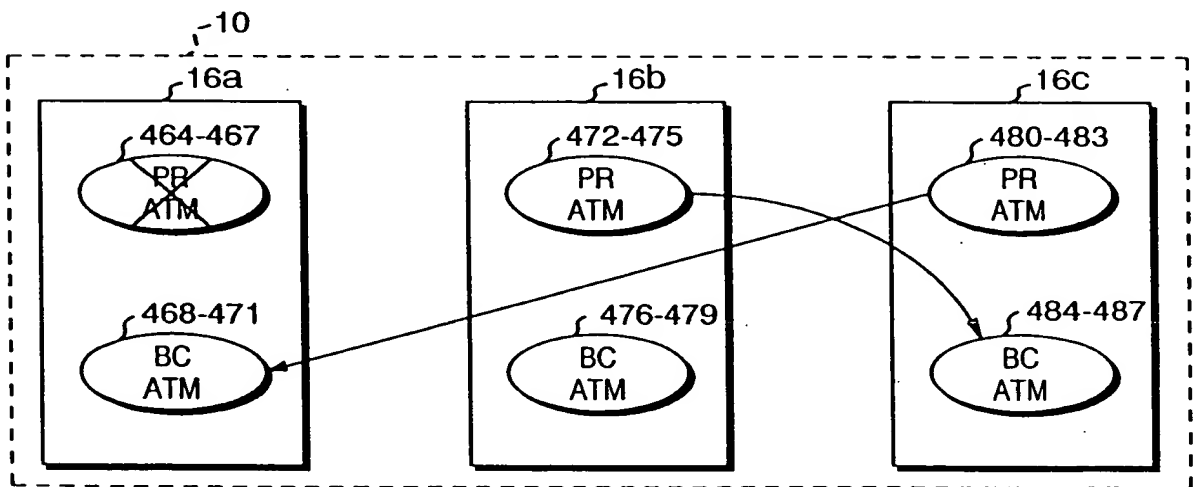
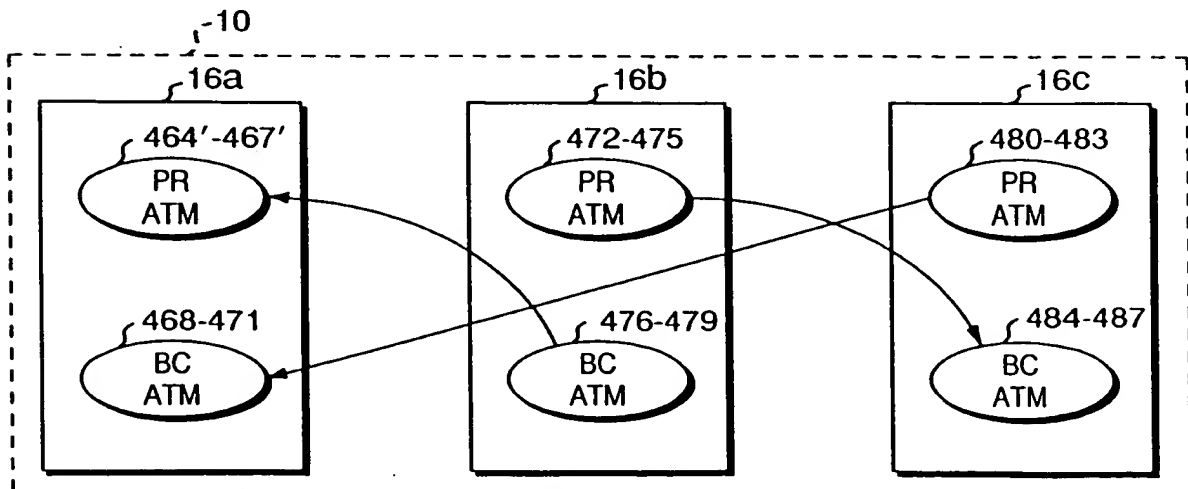


FIG. 31B



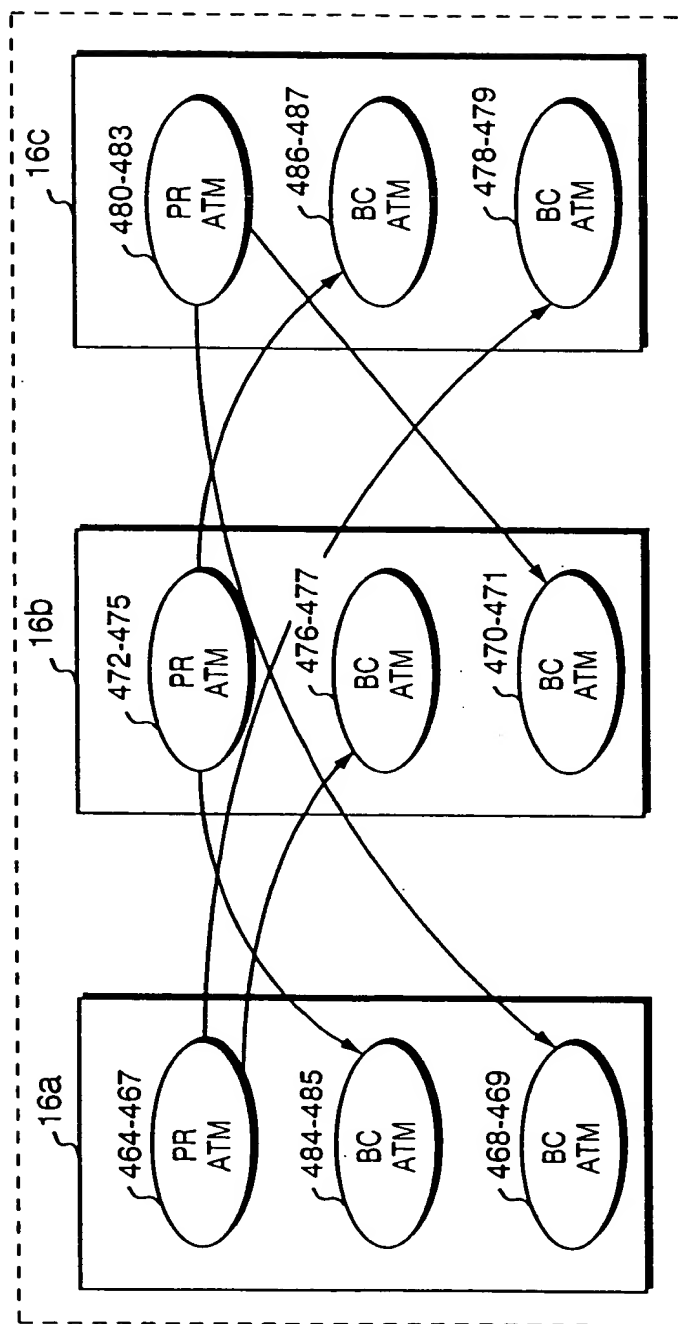


FIG. 32A



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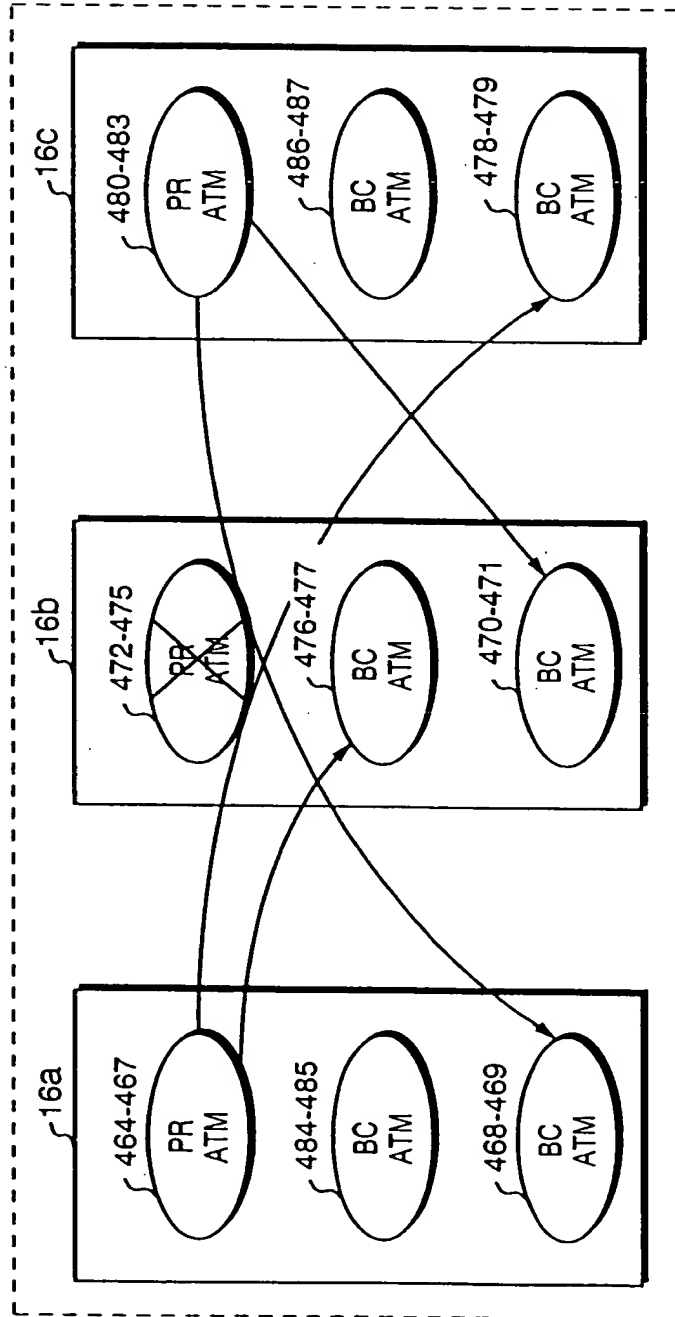


FIG. 32B

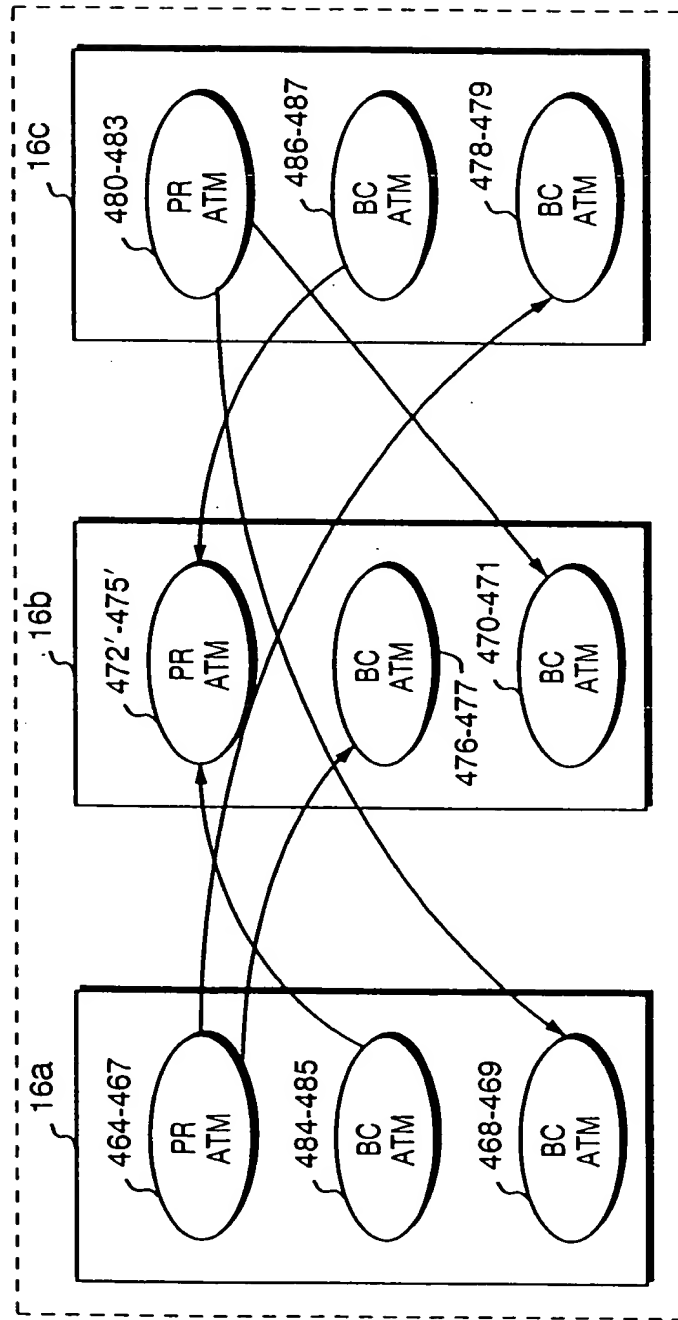


FIG. 32C

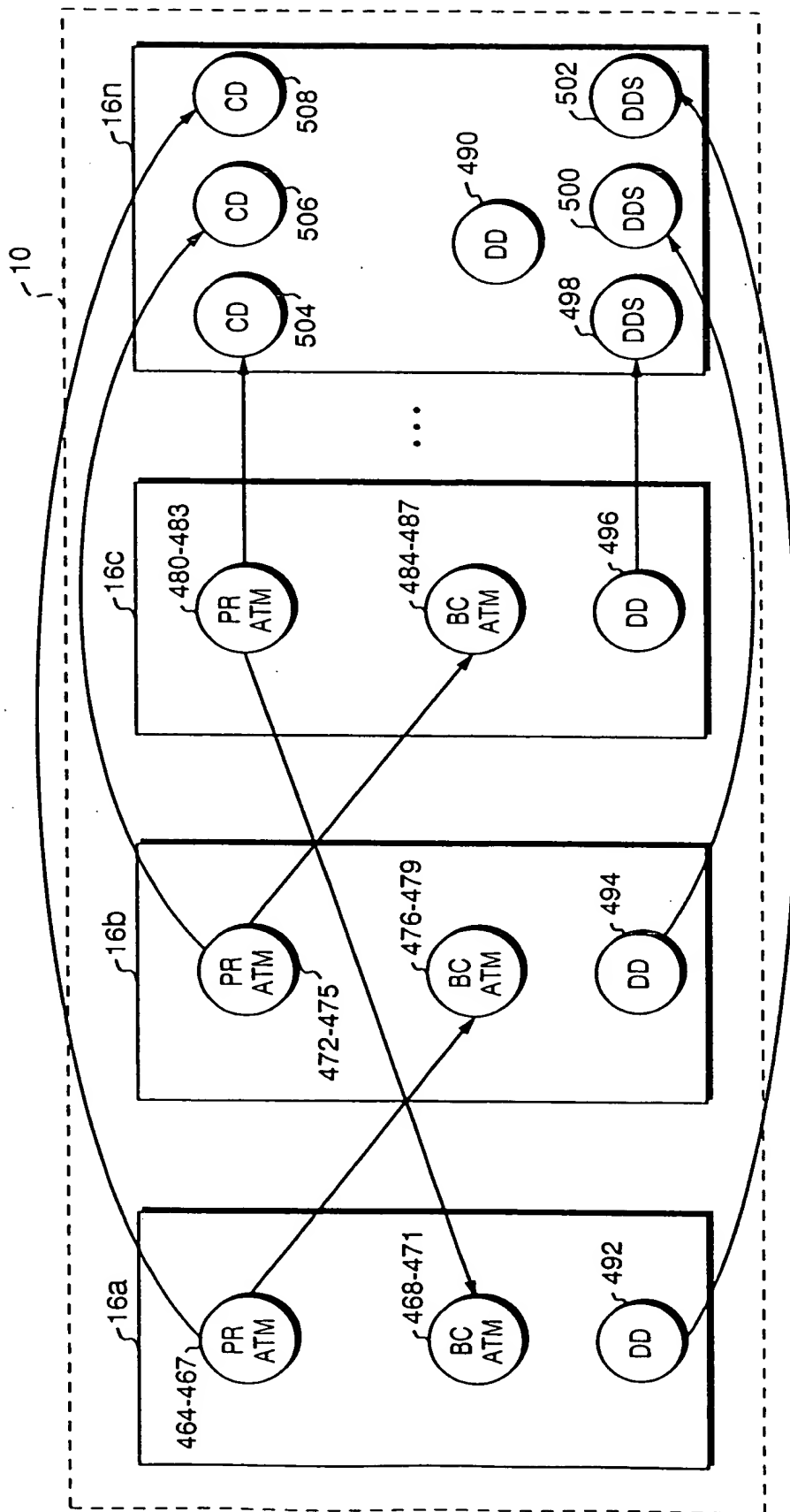


FIG. 33A

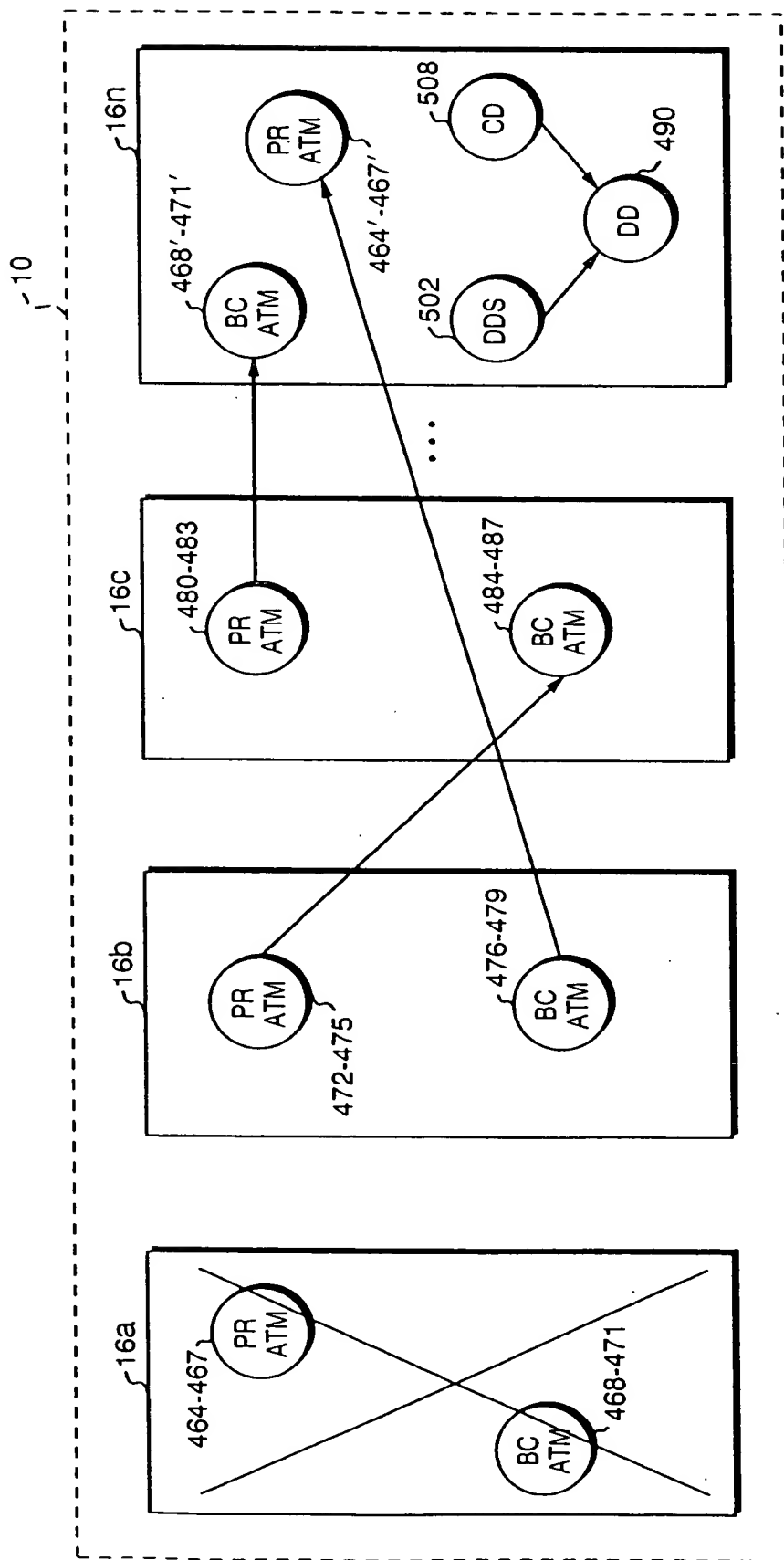


FIG. 33B

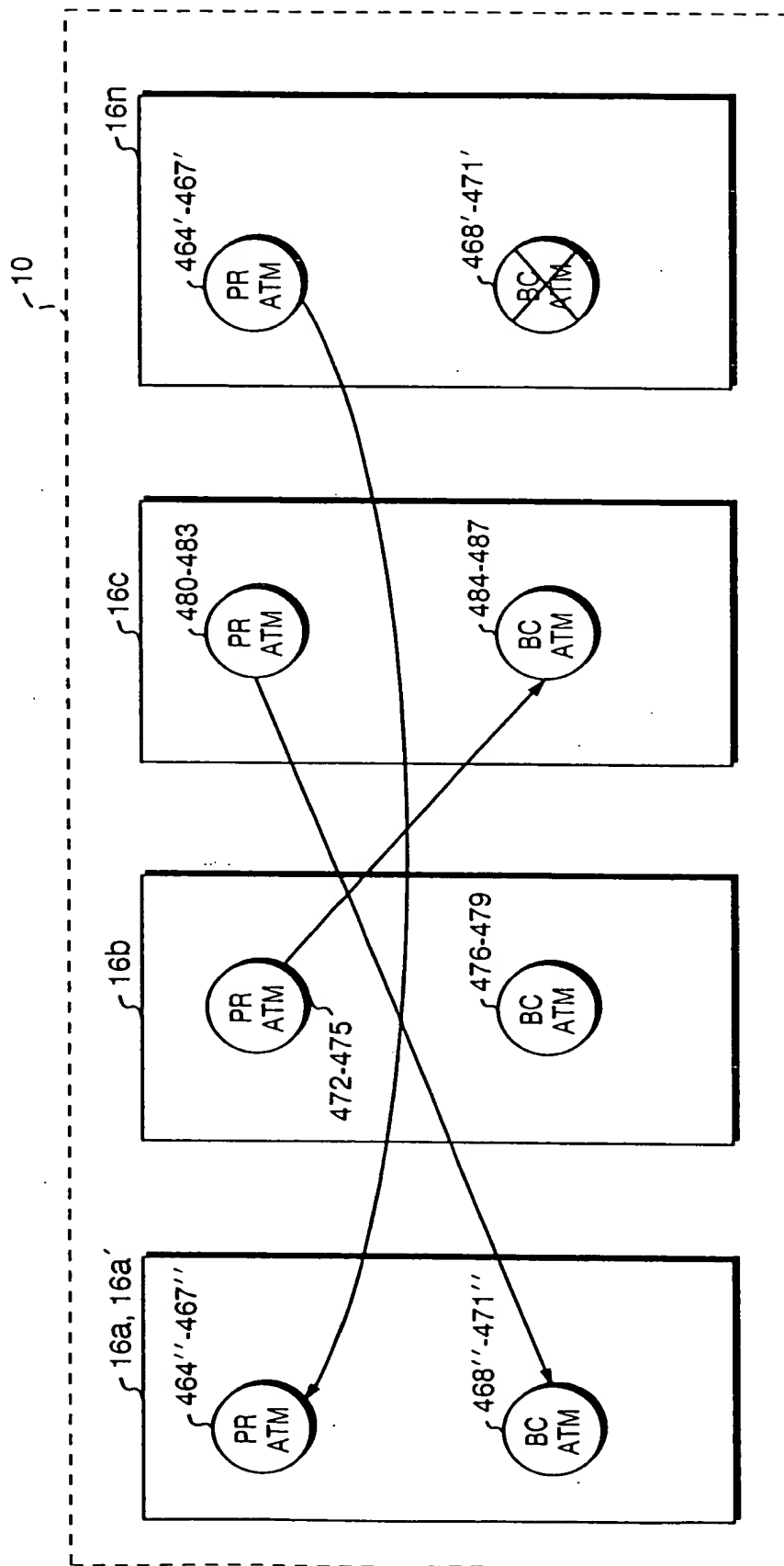


FIG. 33C

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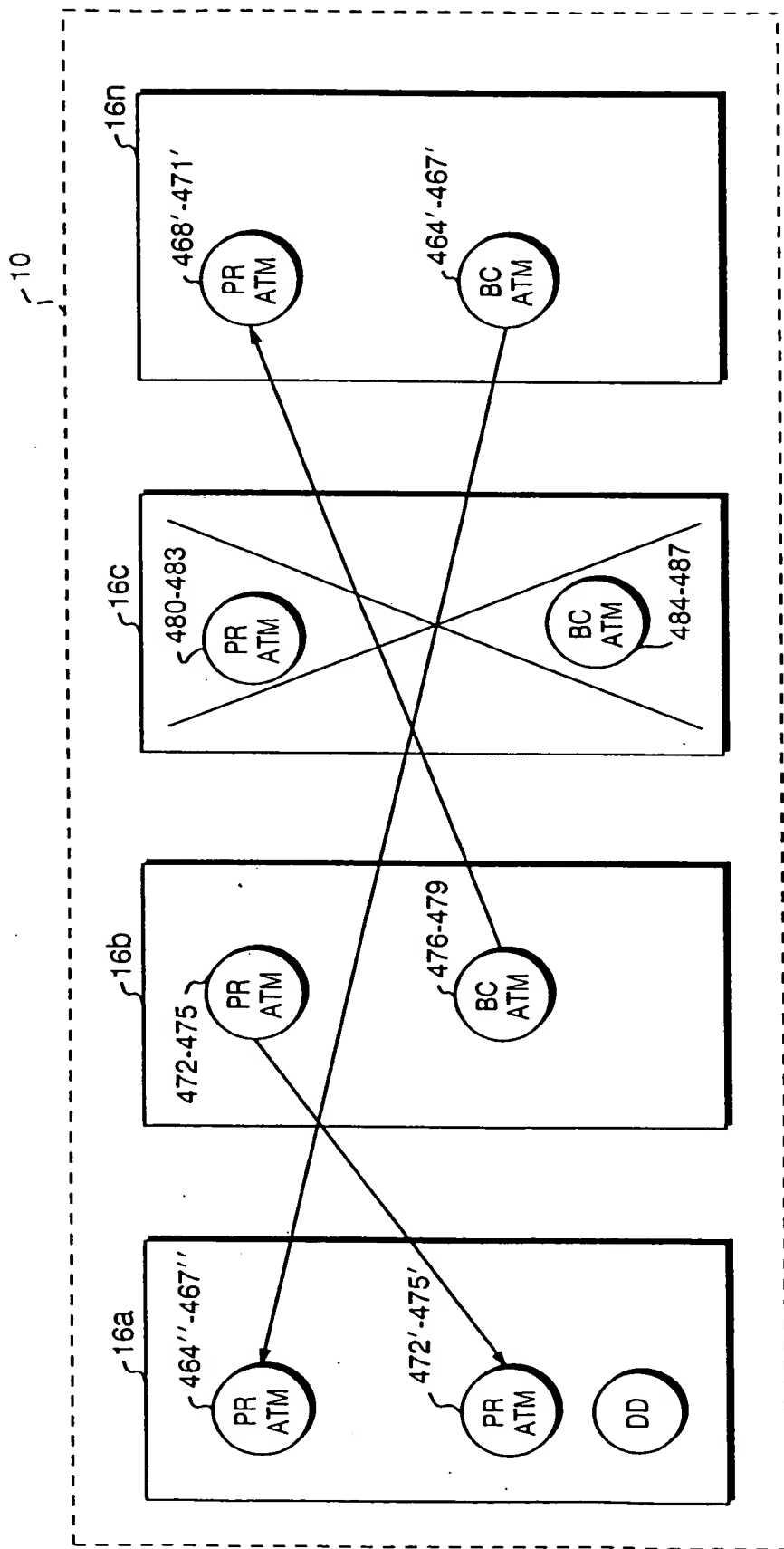


FIG. 33D

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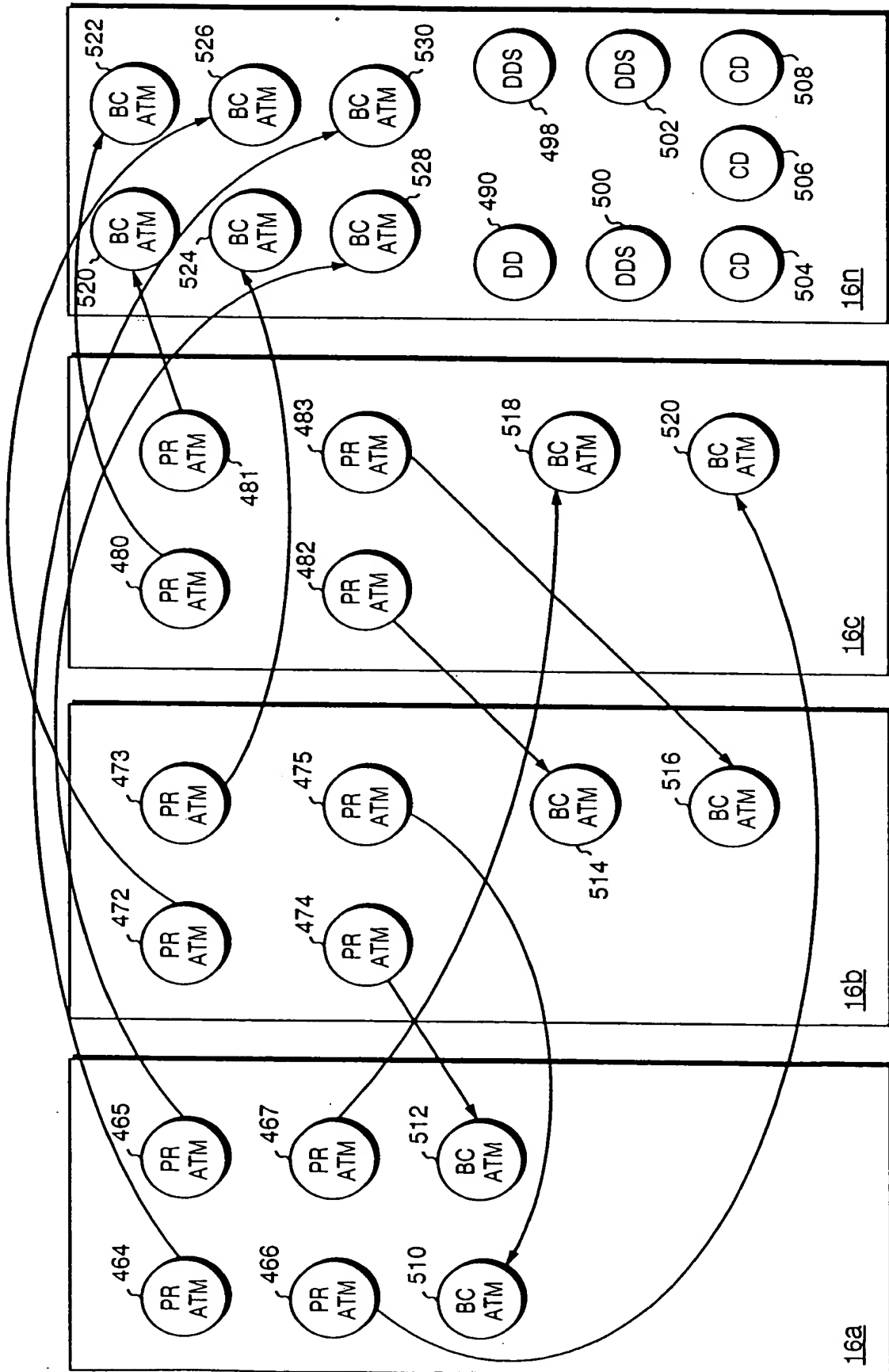


FIG. 34A

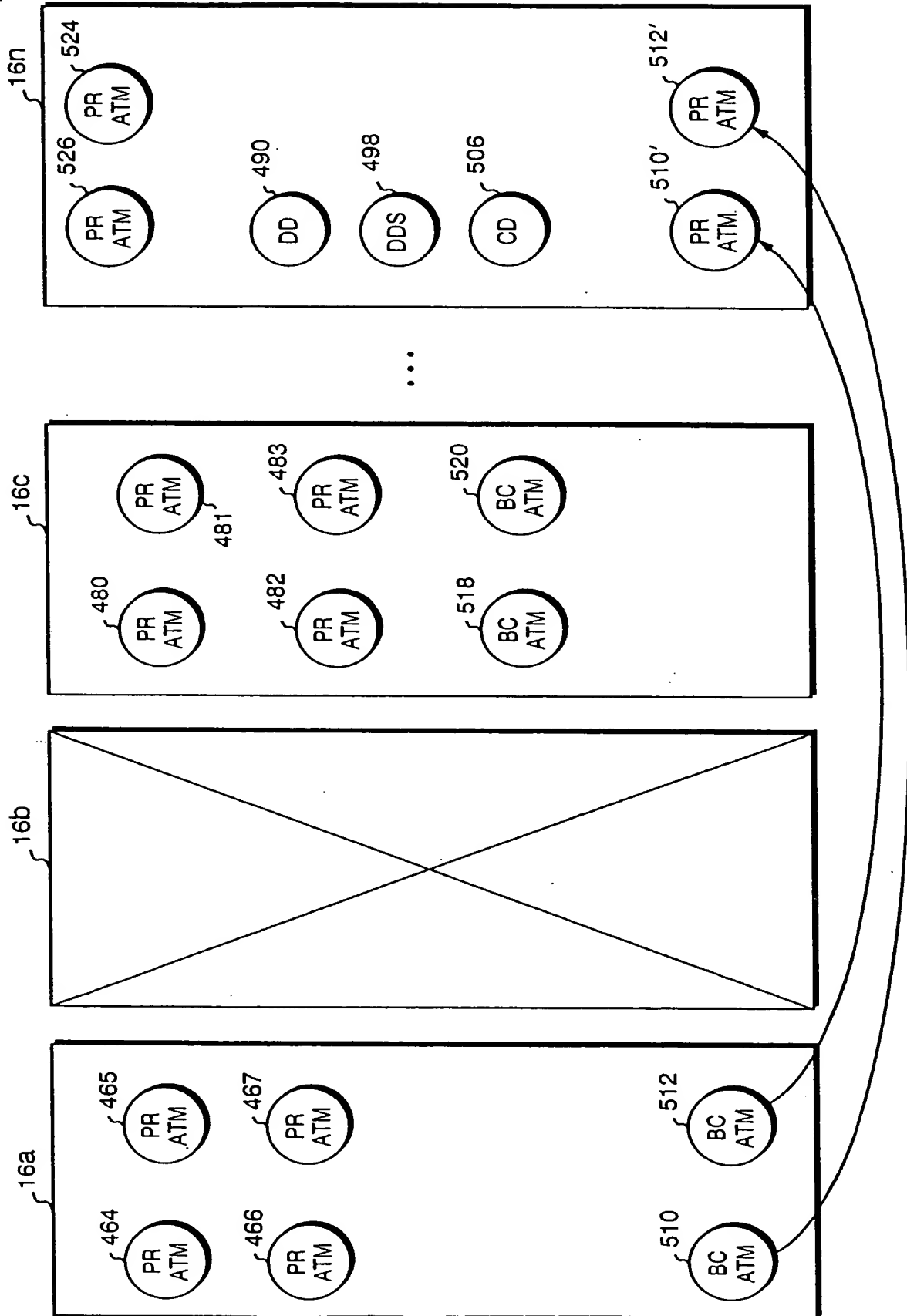
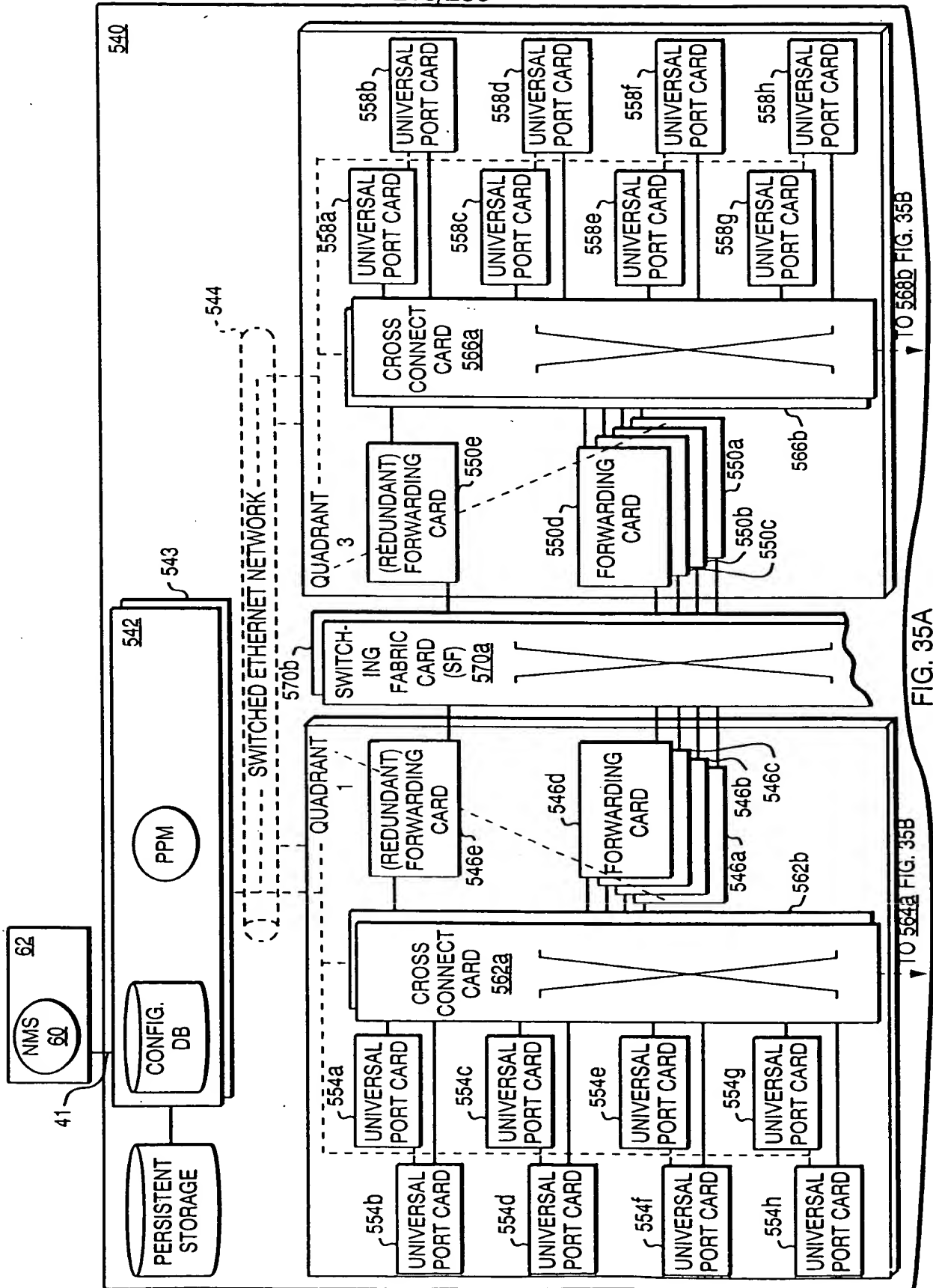


FIG. 34B



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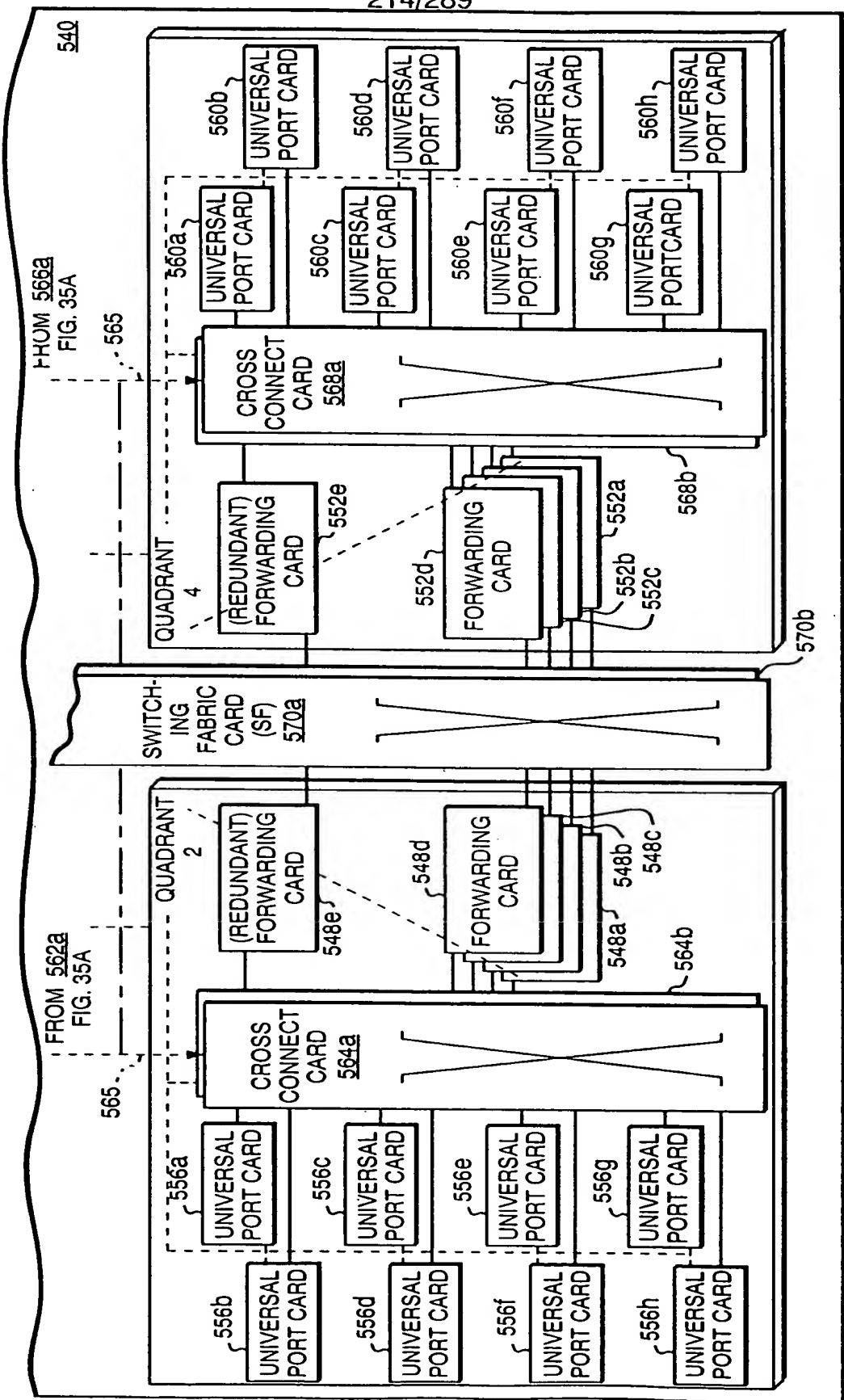


FIG. 35B



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CROSS CONNECTION CARD

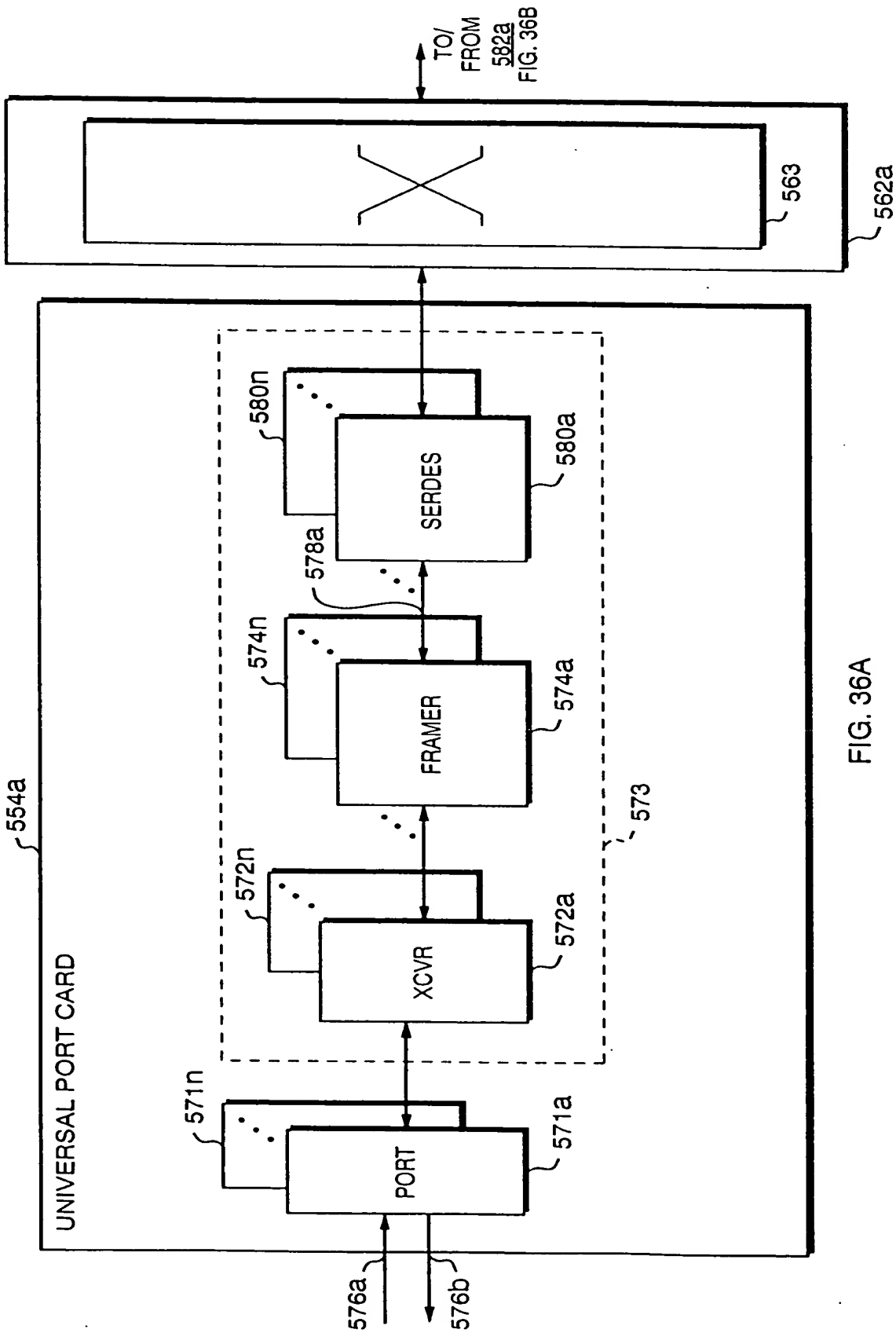


FIG. 36A



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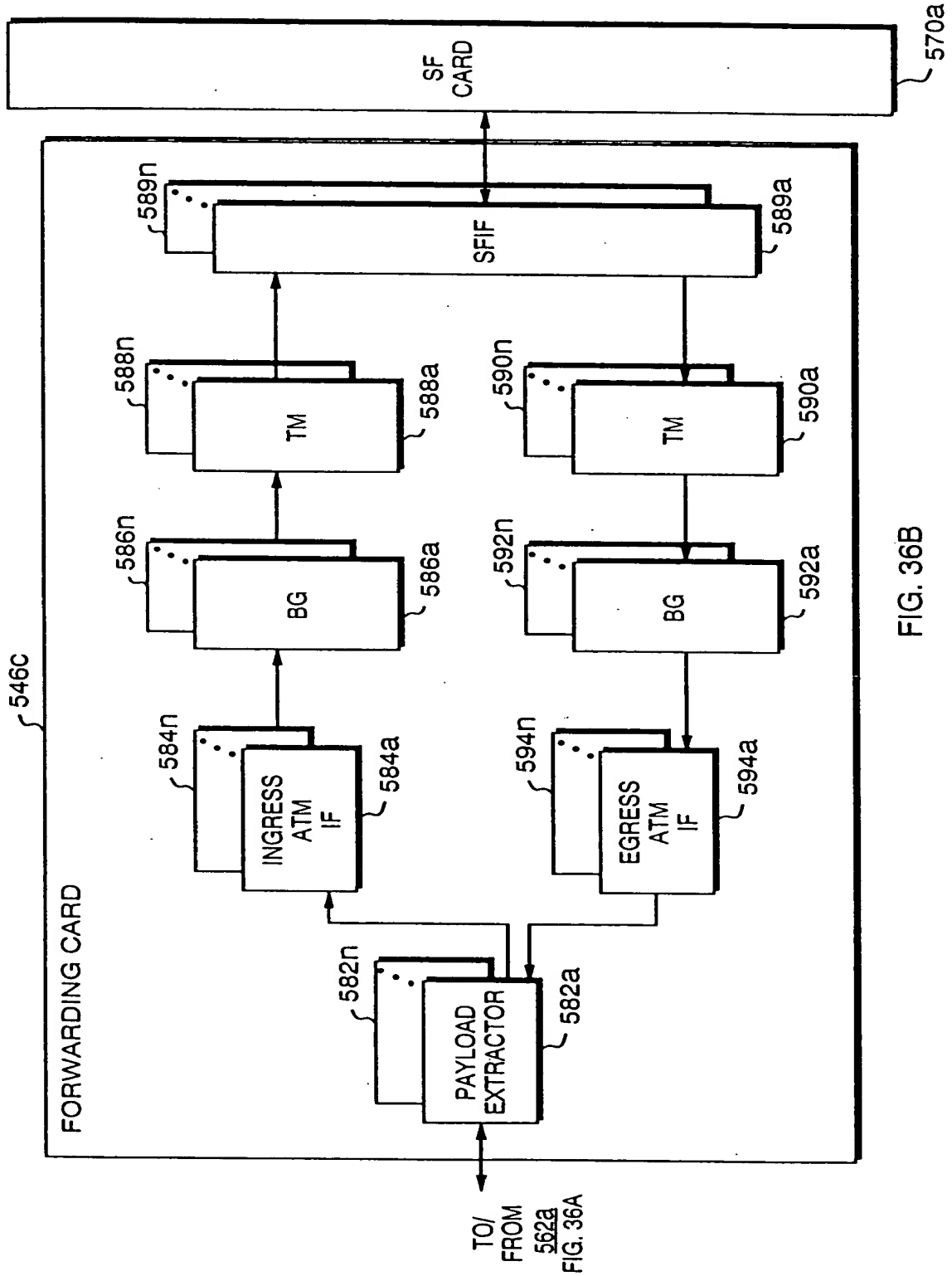


FIG. 36B

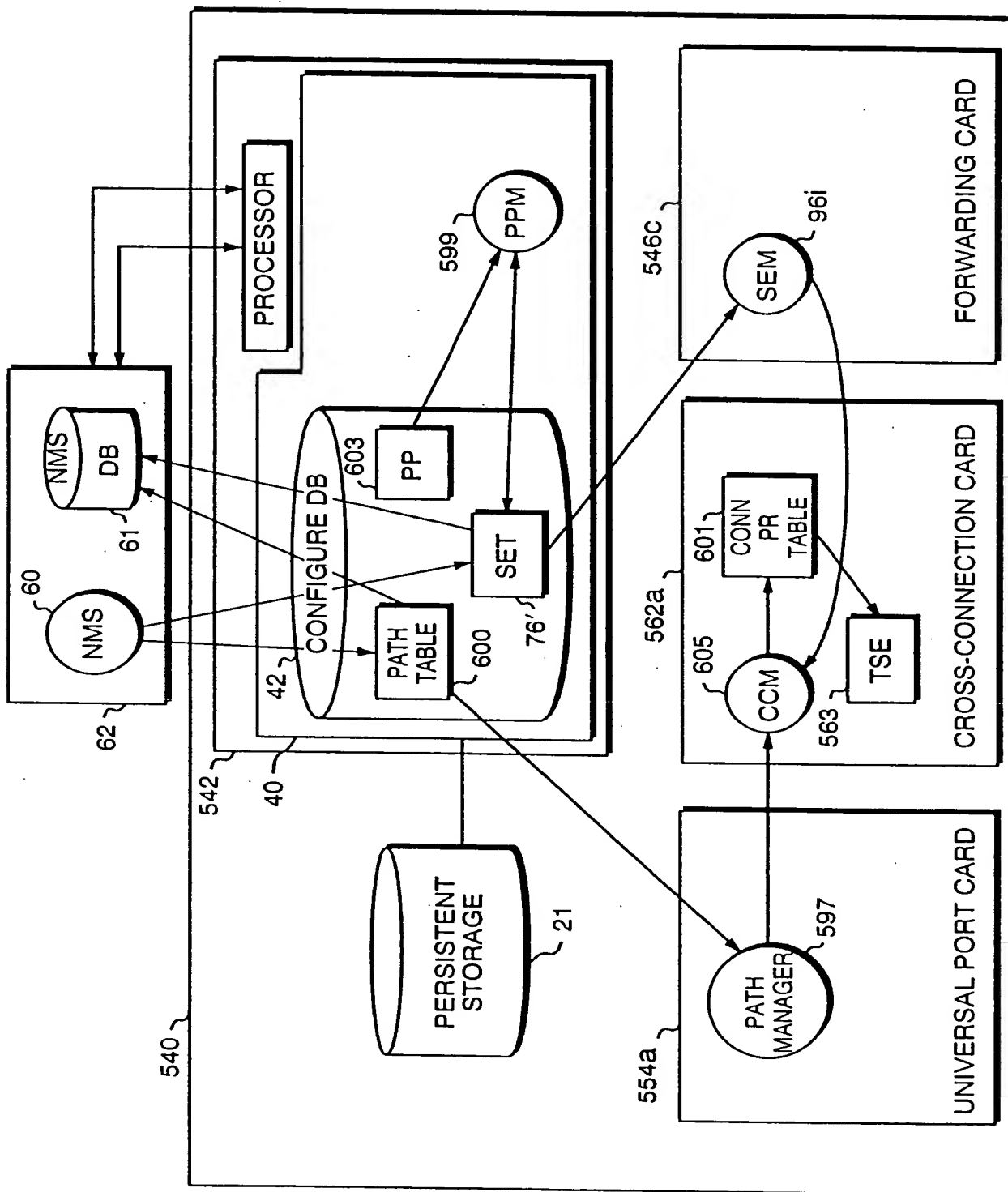


FIG. 37



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PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38



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SERVICE END POINT TABLE 76'

		{ 606		{ 608		{ 610	
	SE #	Q #	FC LID	FC SLICE	FC TIME SLOT	PATH PID	...
604 {	878	1				1666	

	:	:	:	:	:	:	:

FIG. 39



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540

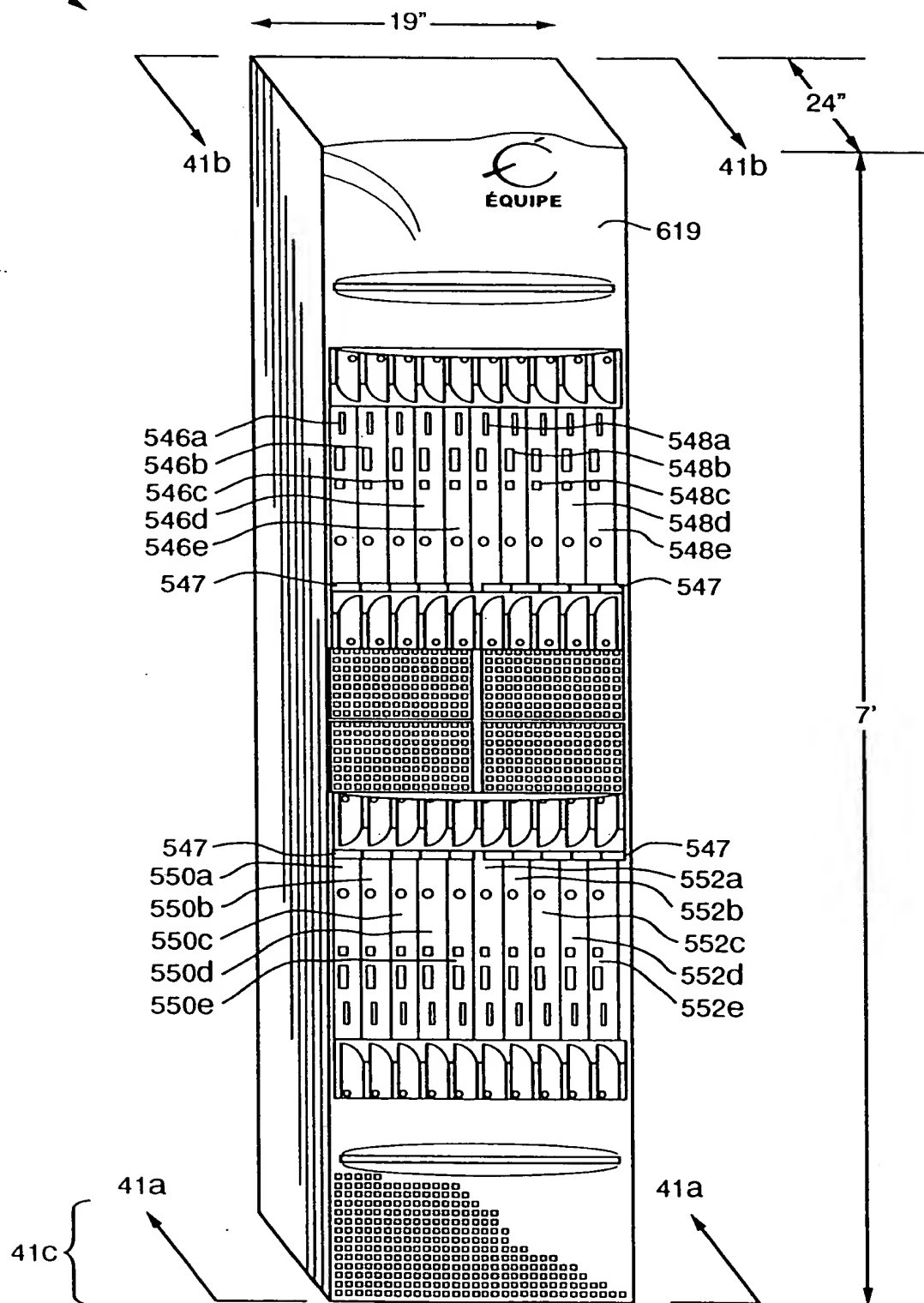


FIG. 40



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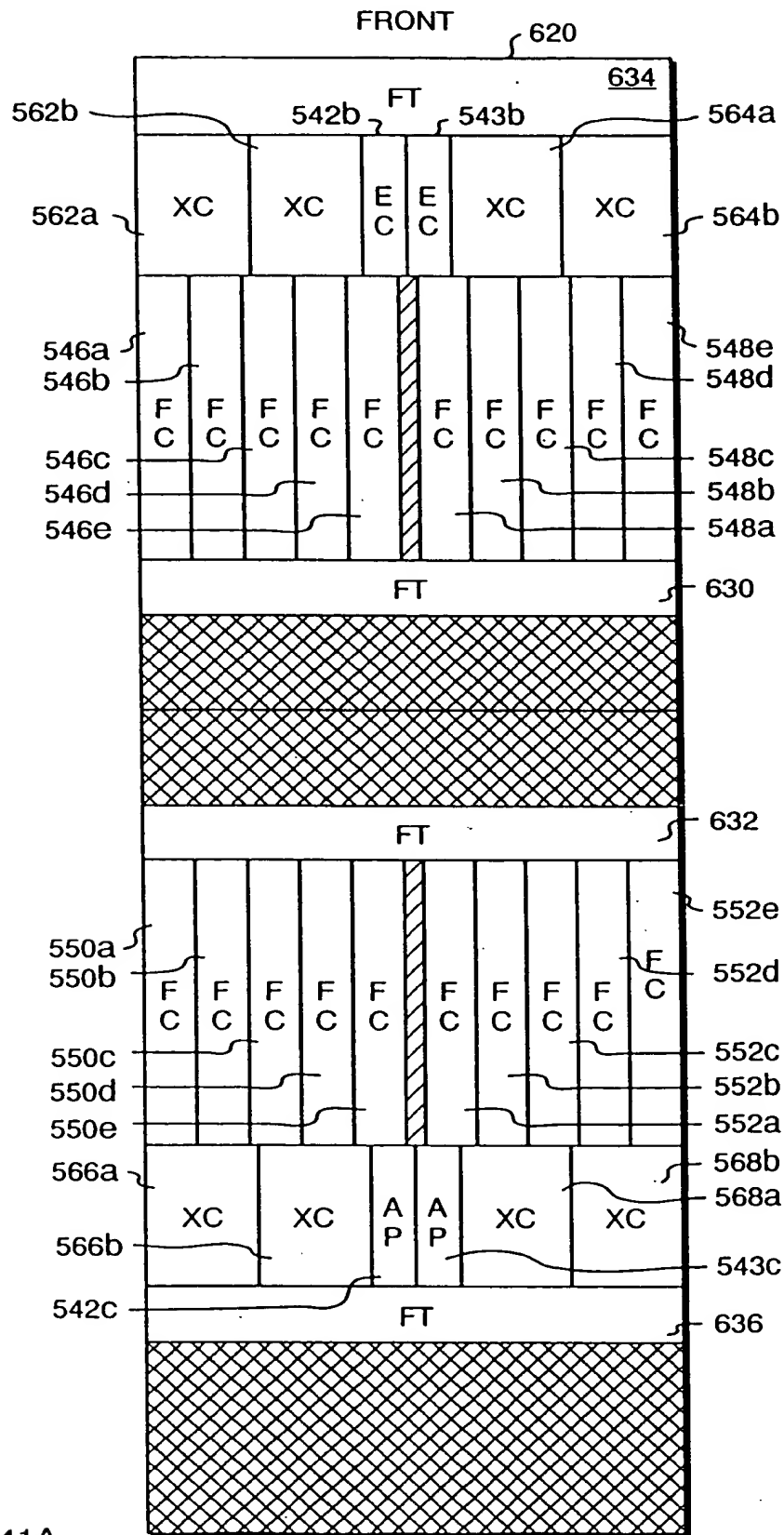


FIG. 41A

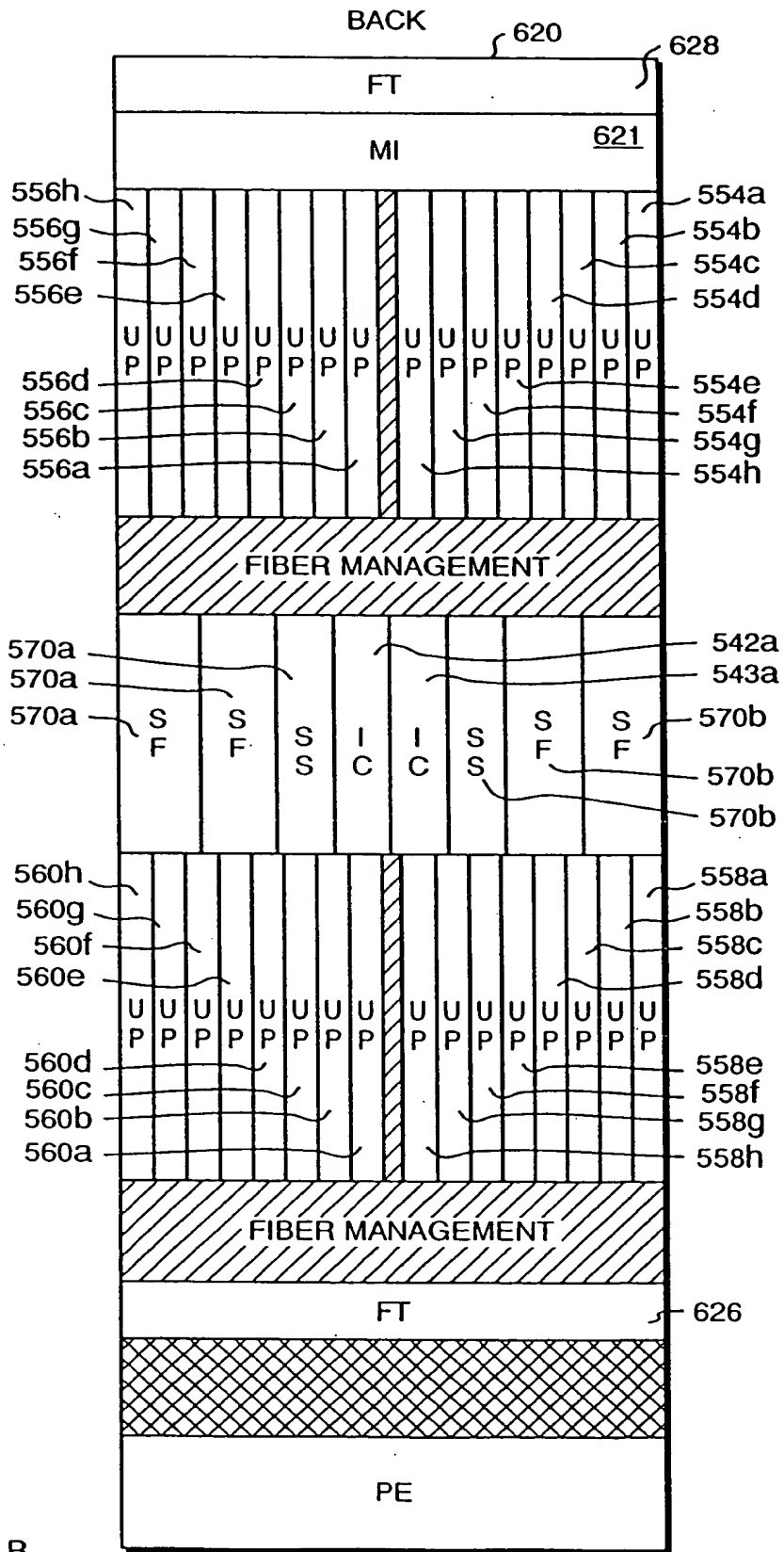


FIG. 41B



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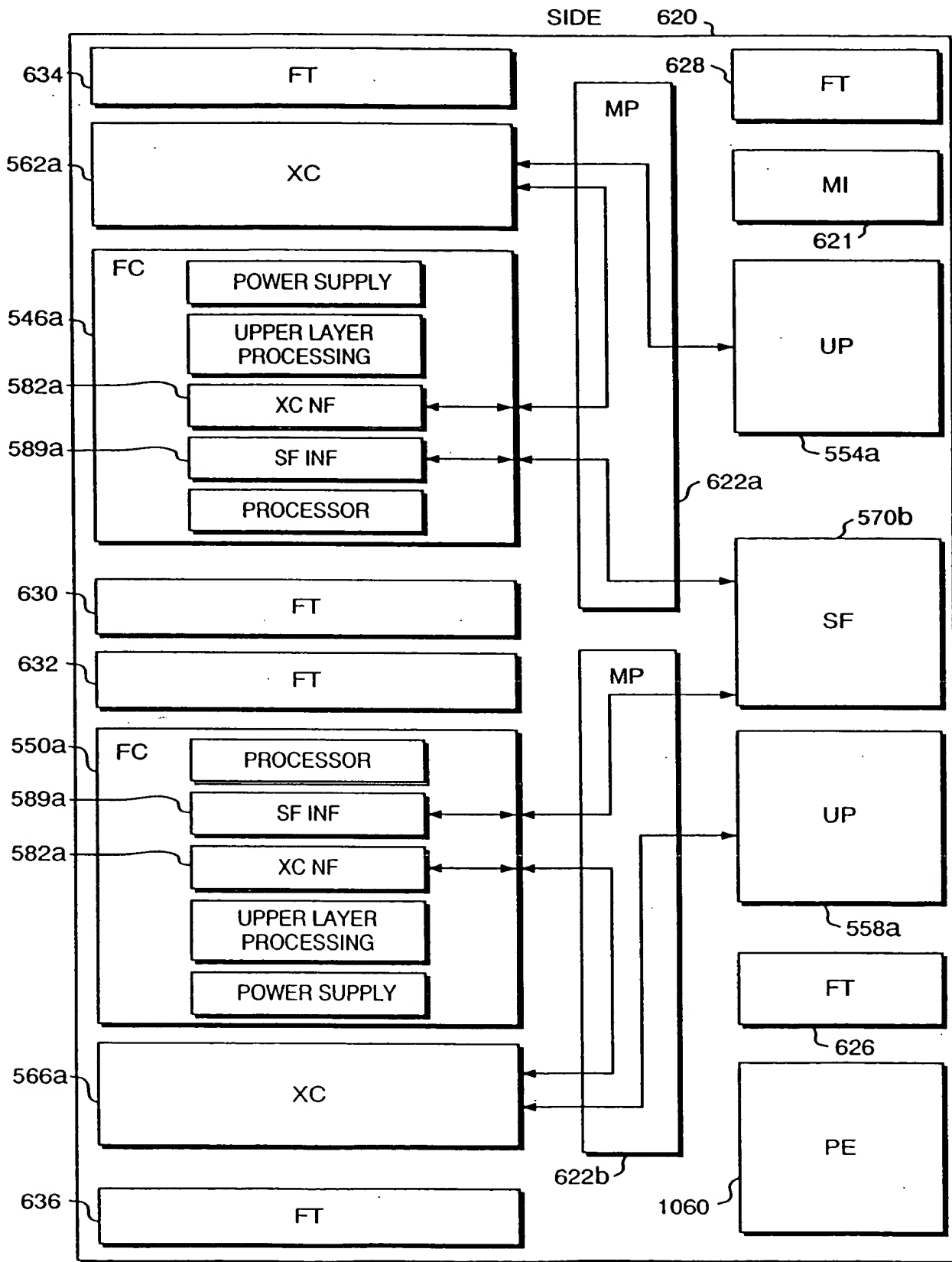


FIG. 41C

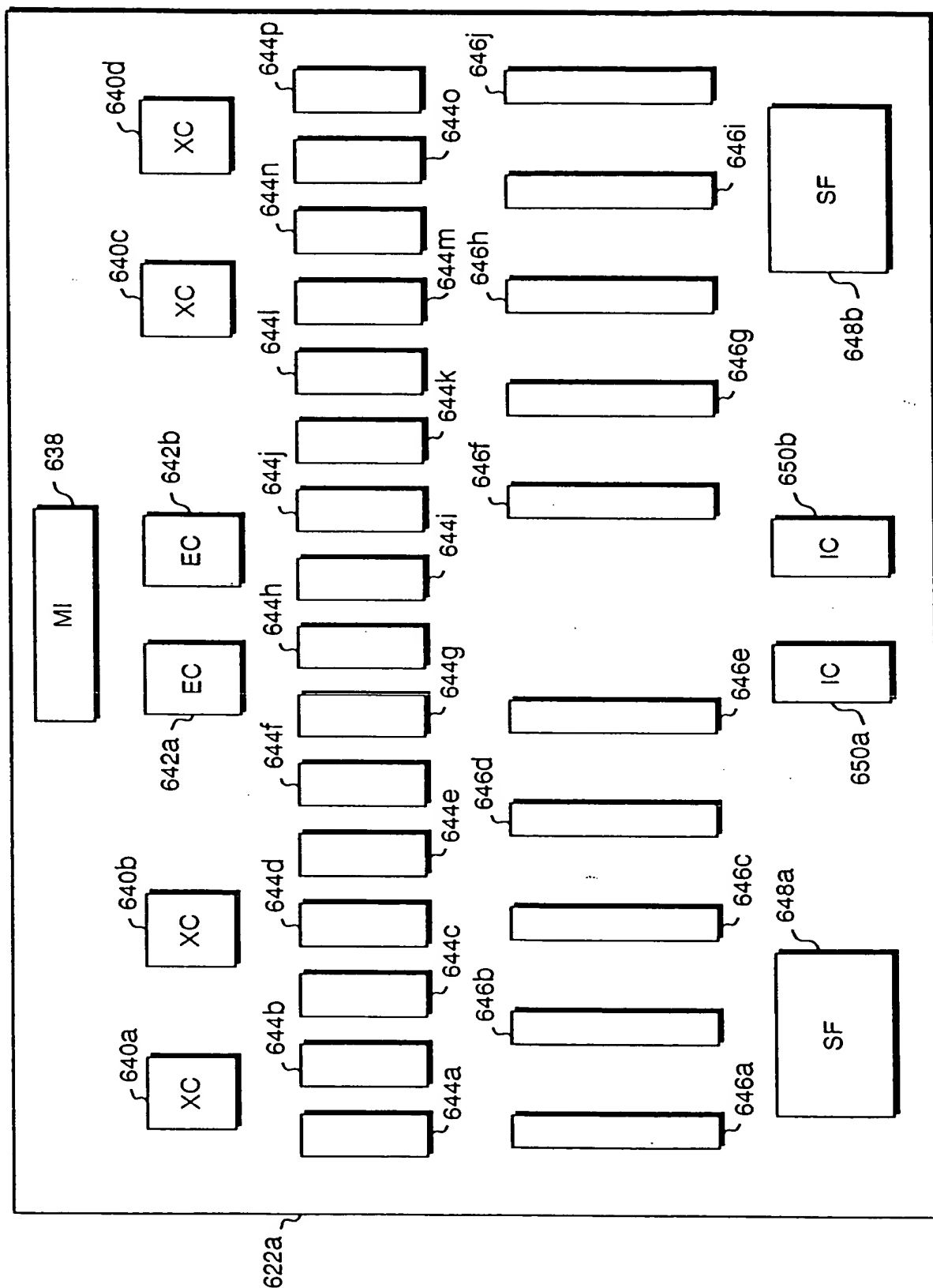


FIG. 42A

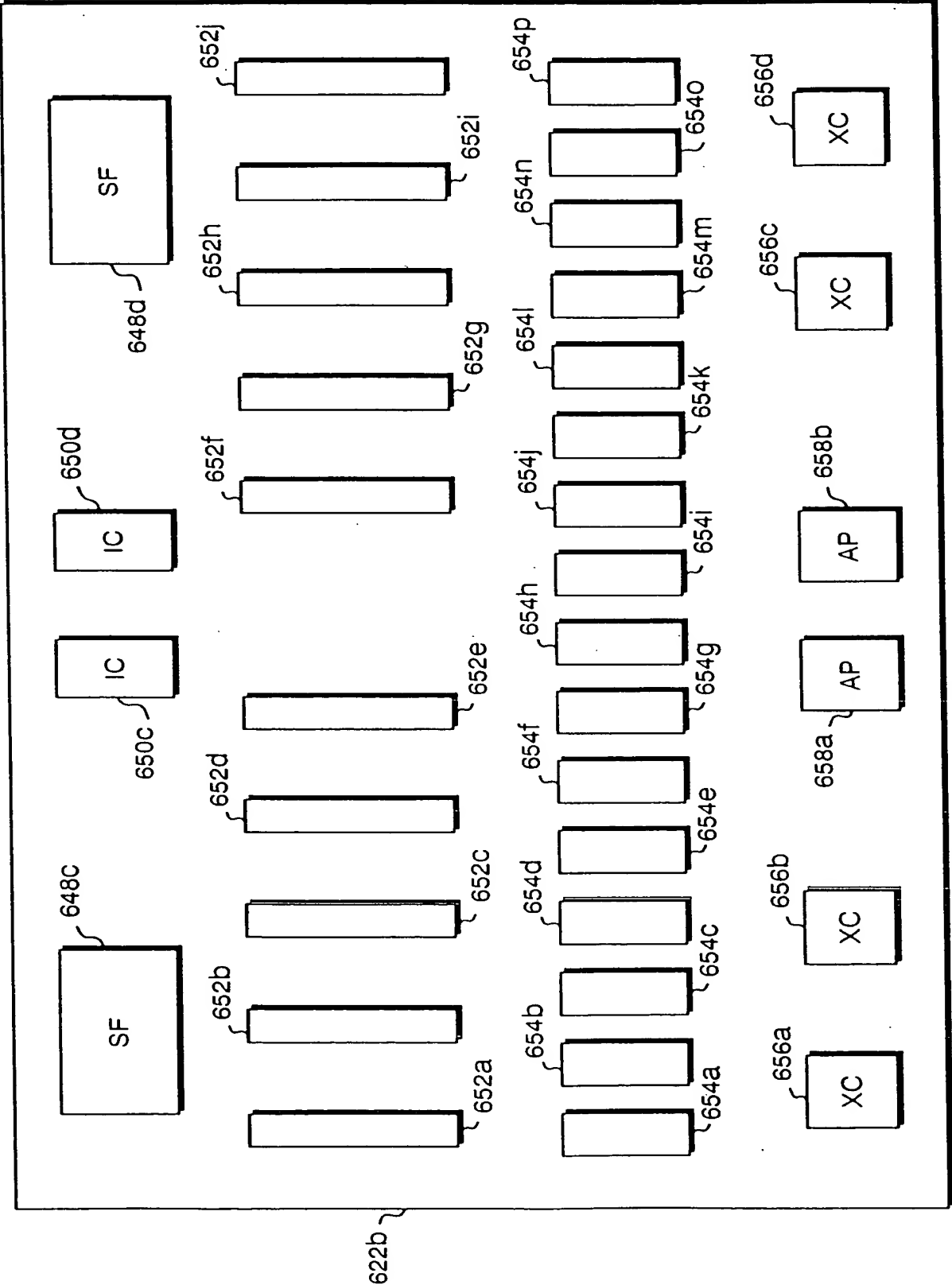
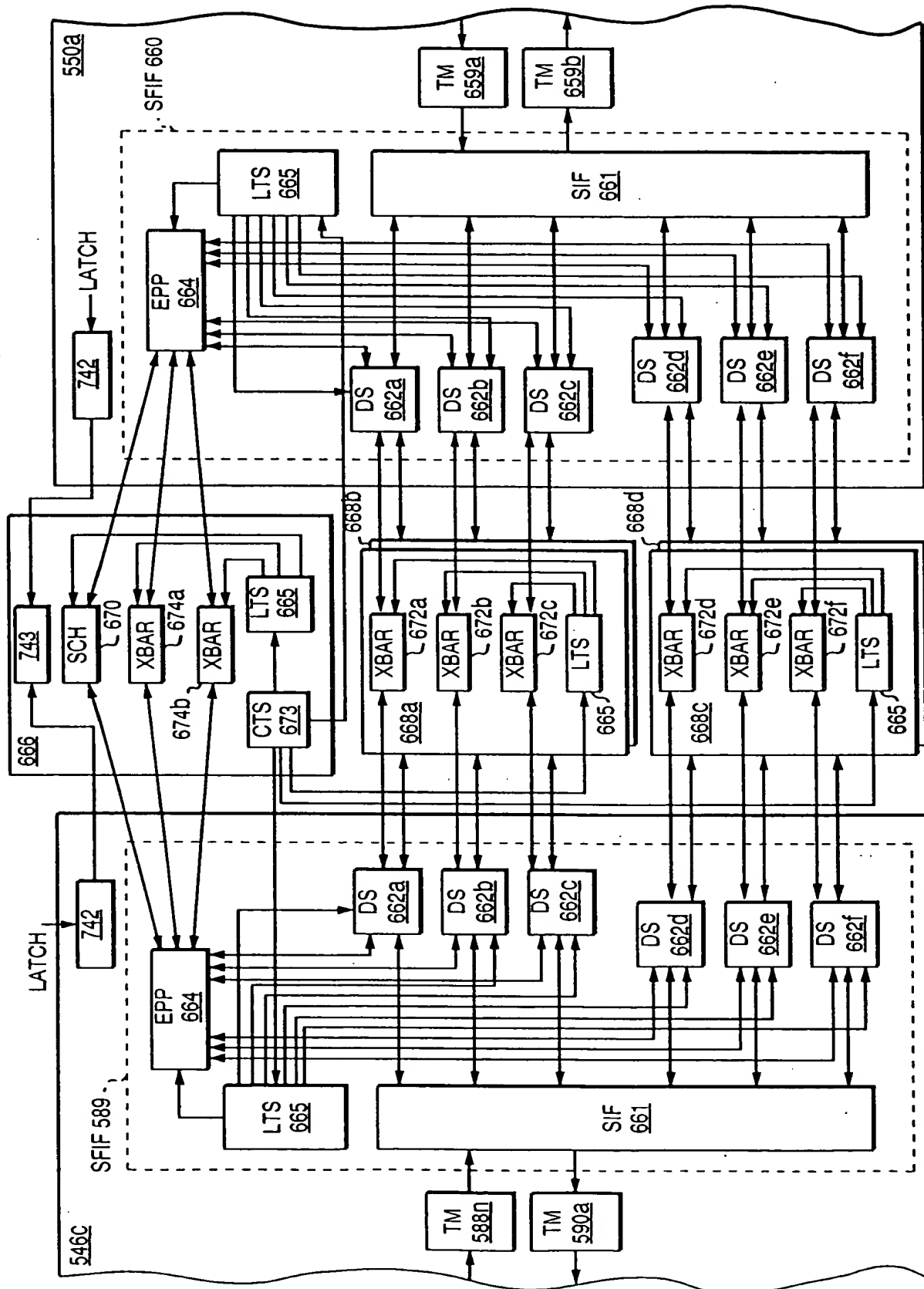


FIG. 42B





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640

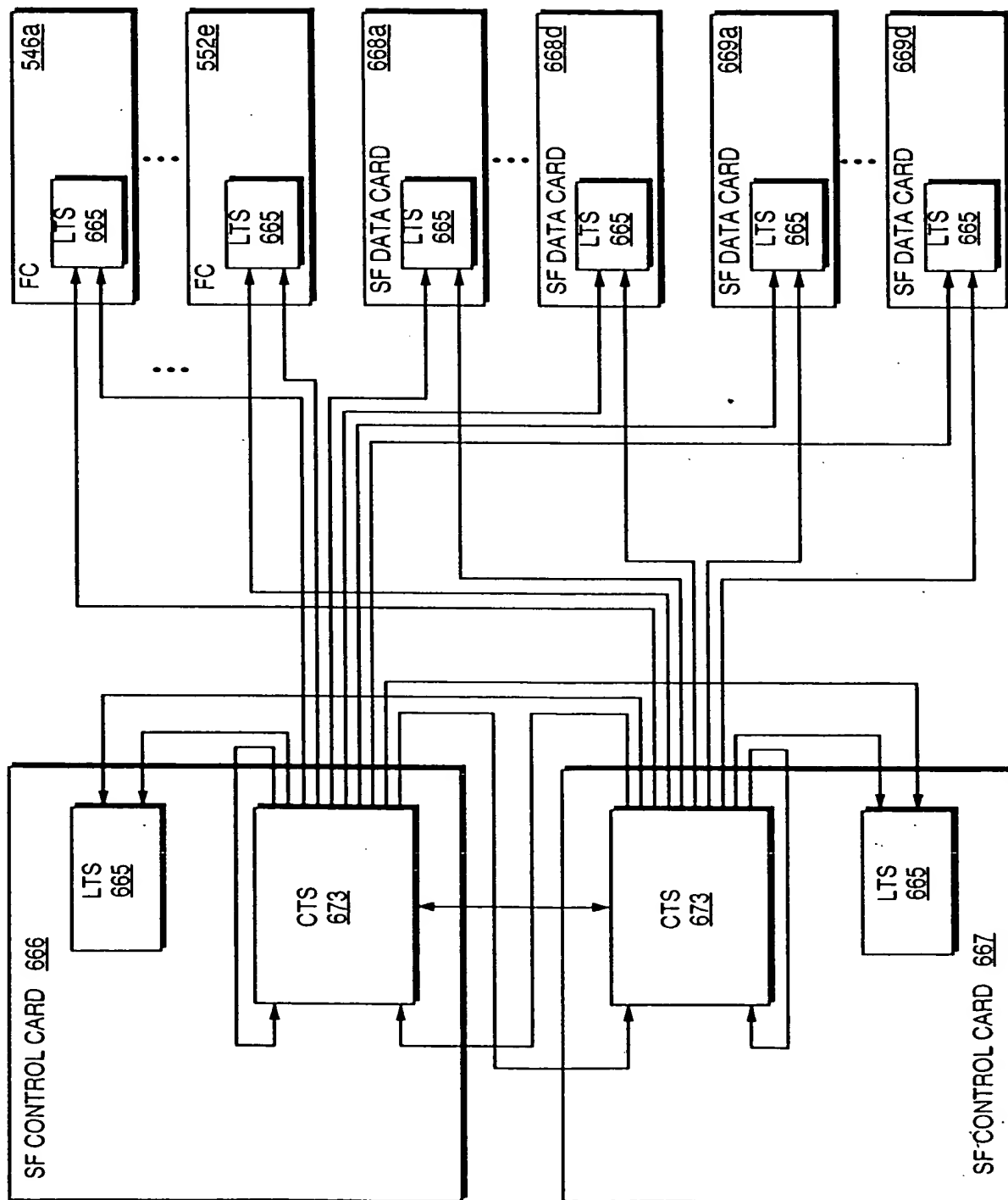


FIG. 44

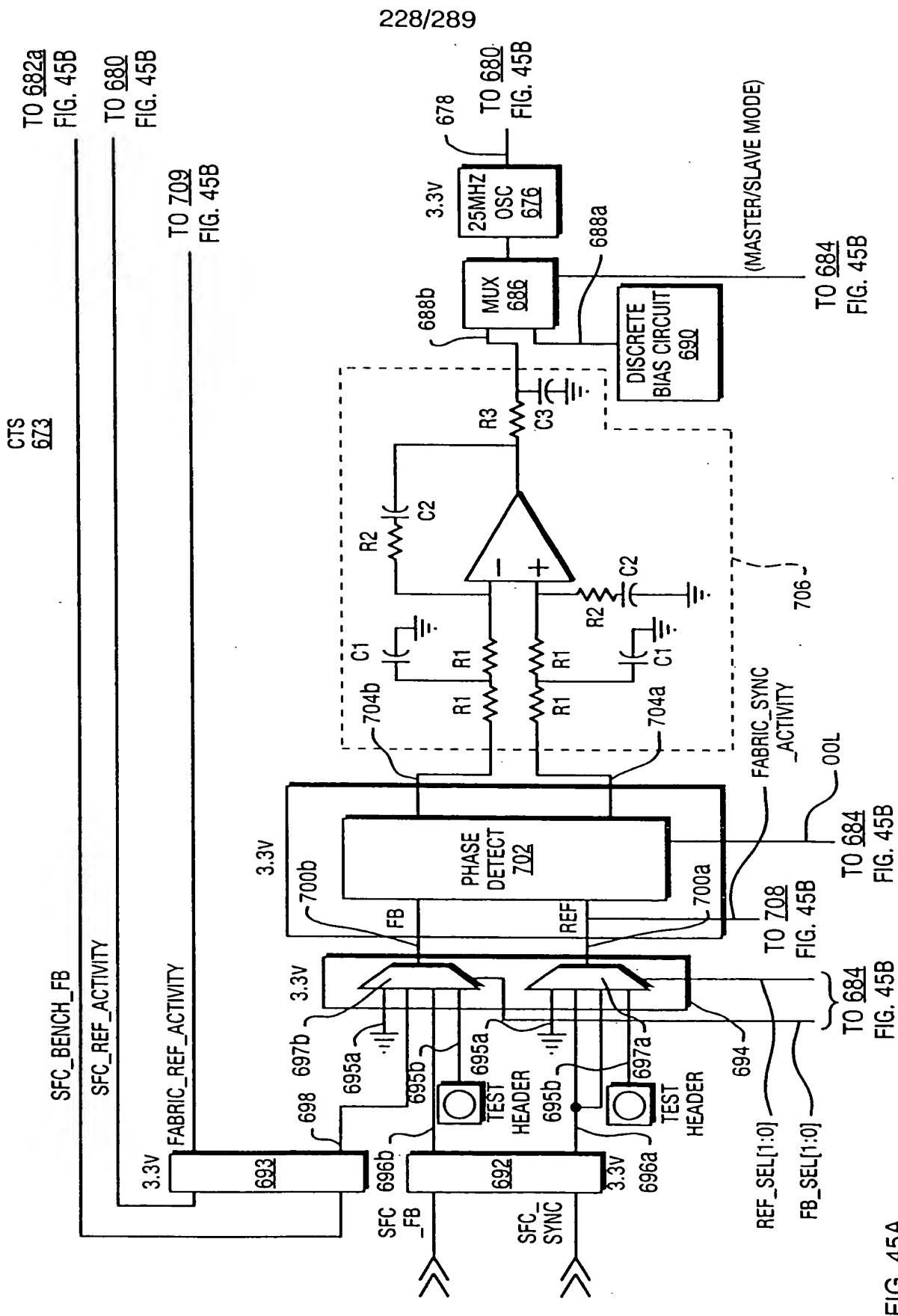


FIG. 45A



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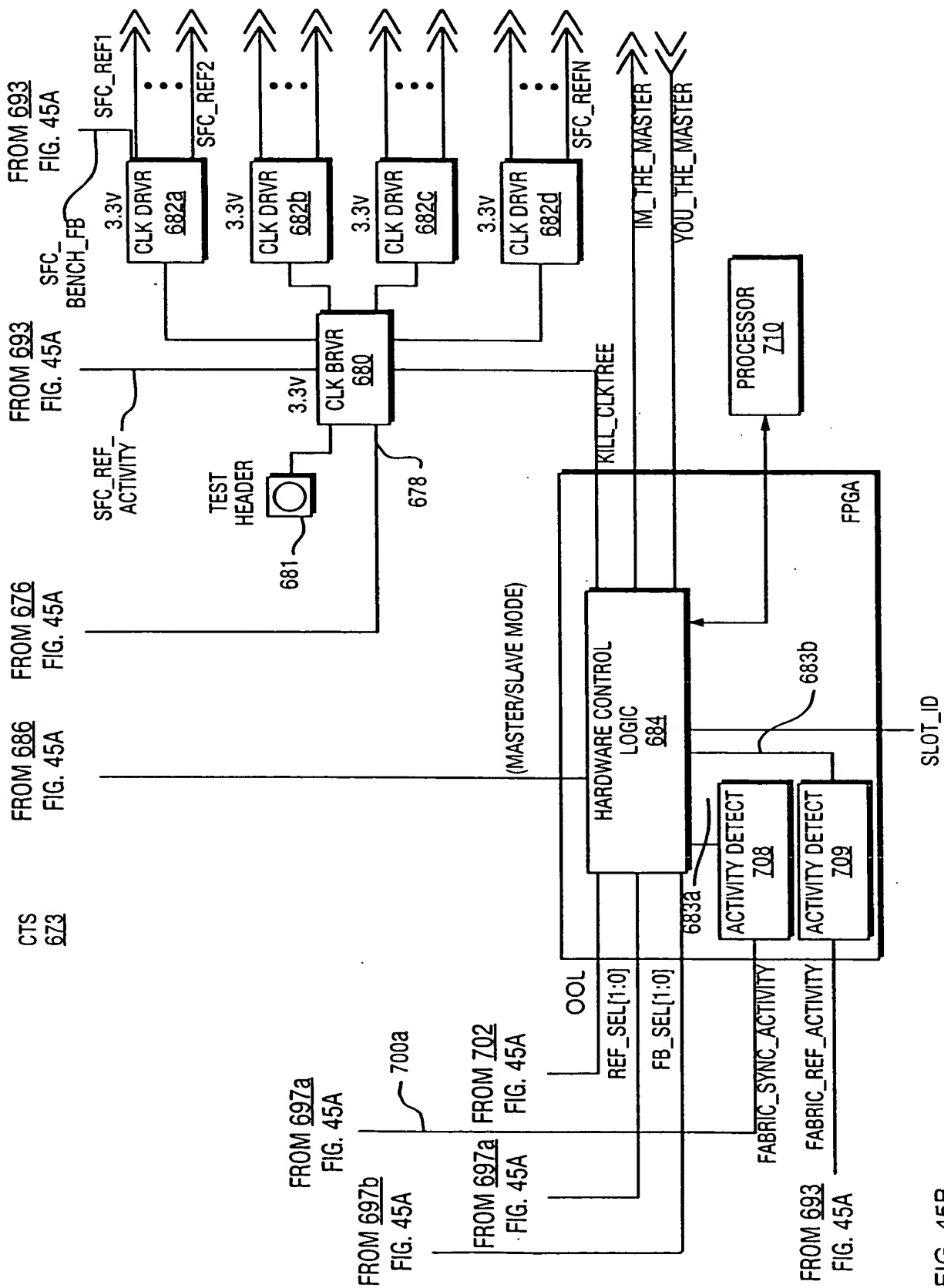


FIG. 45B

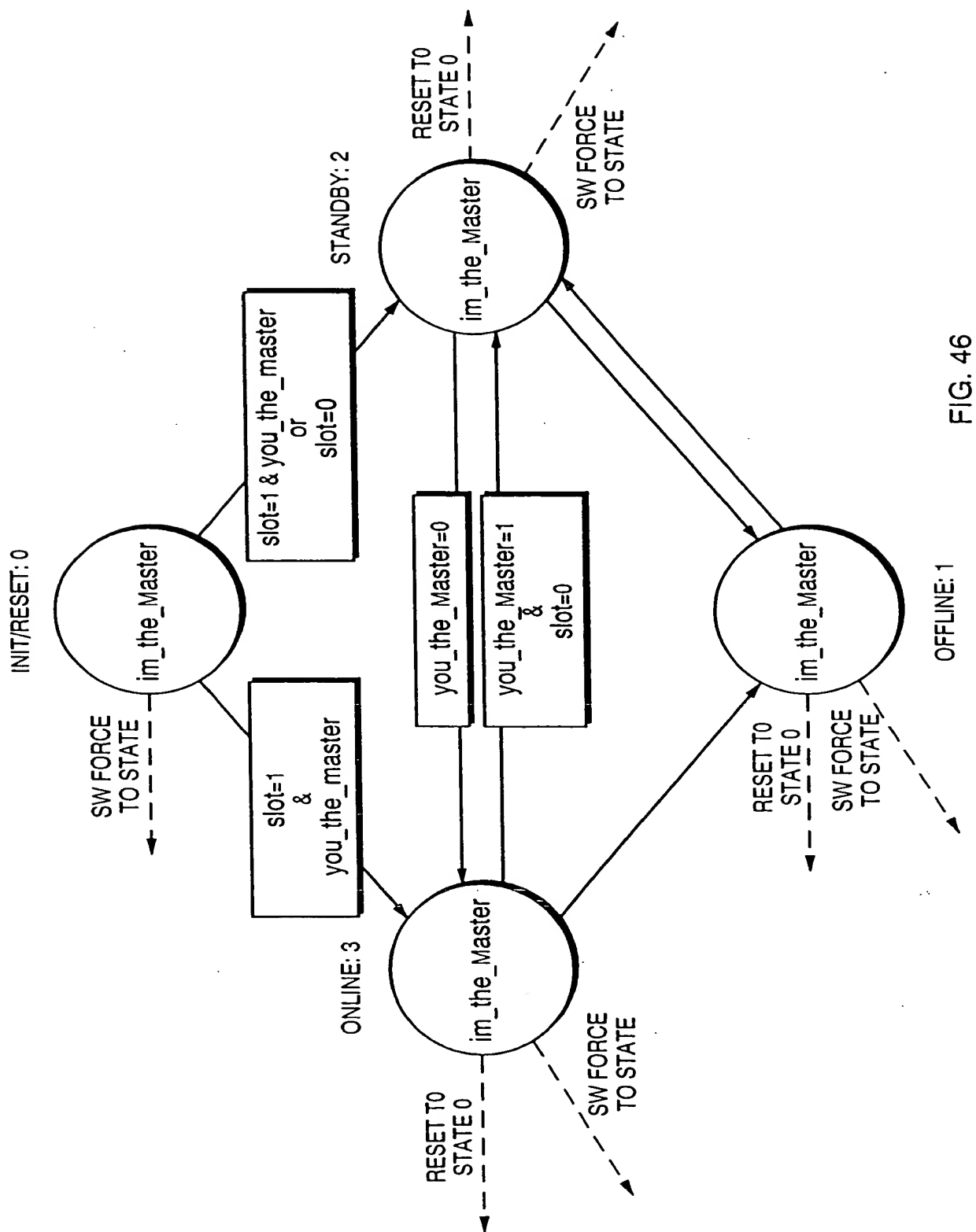


FIG. 46

LTS
665

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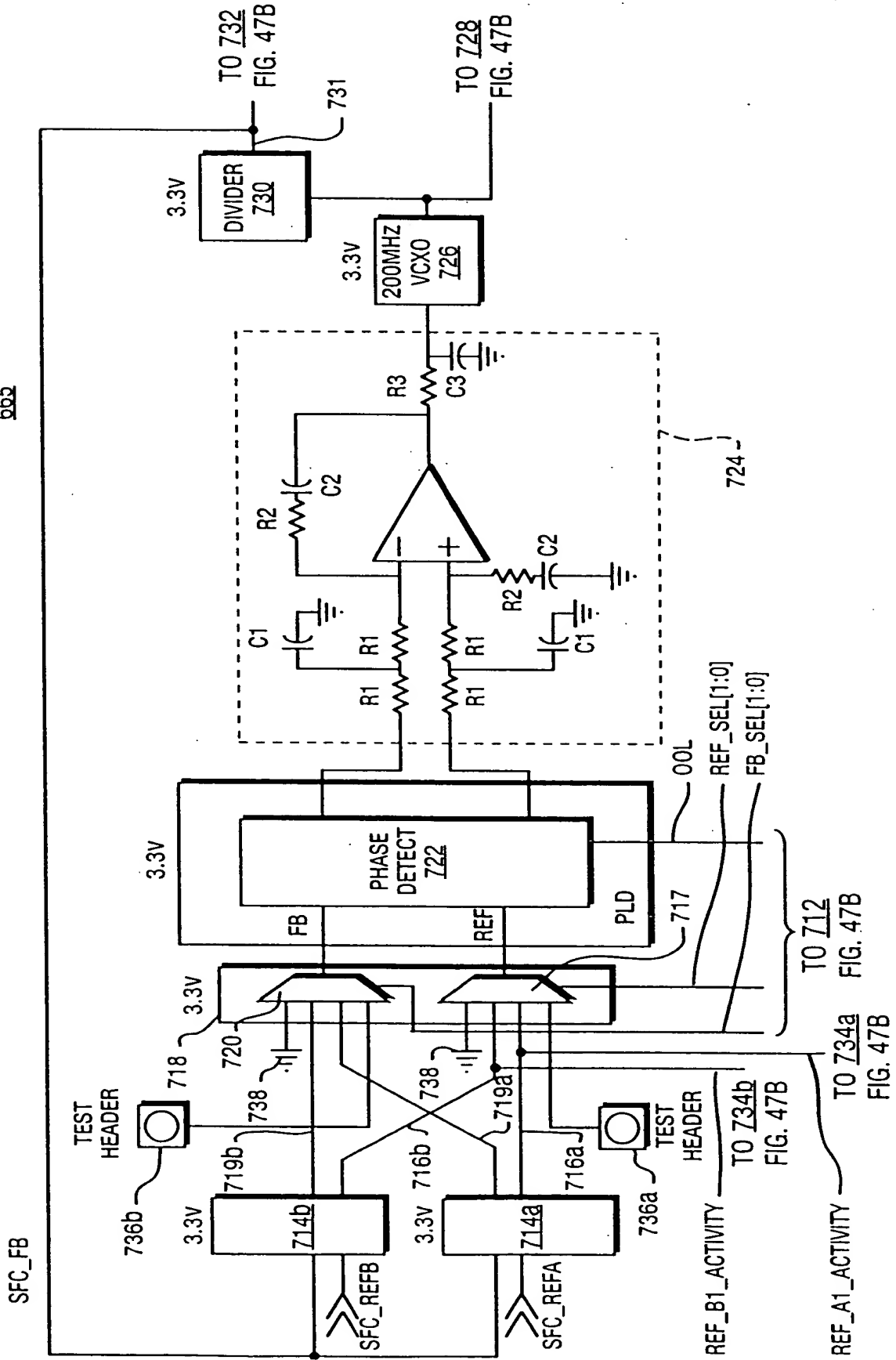
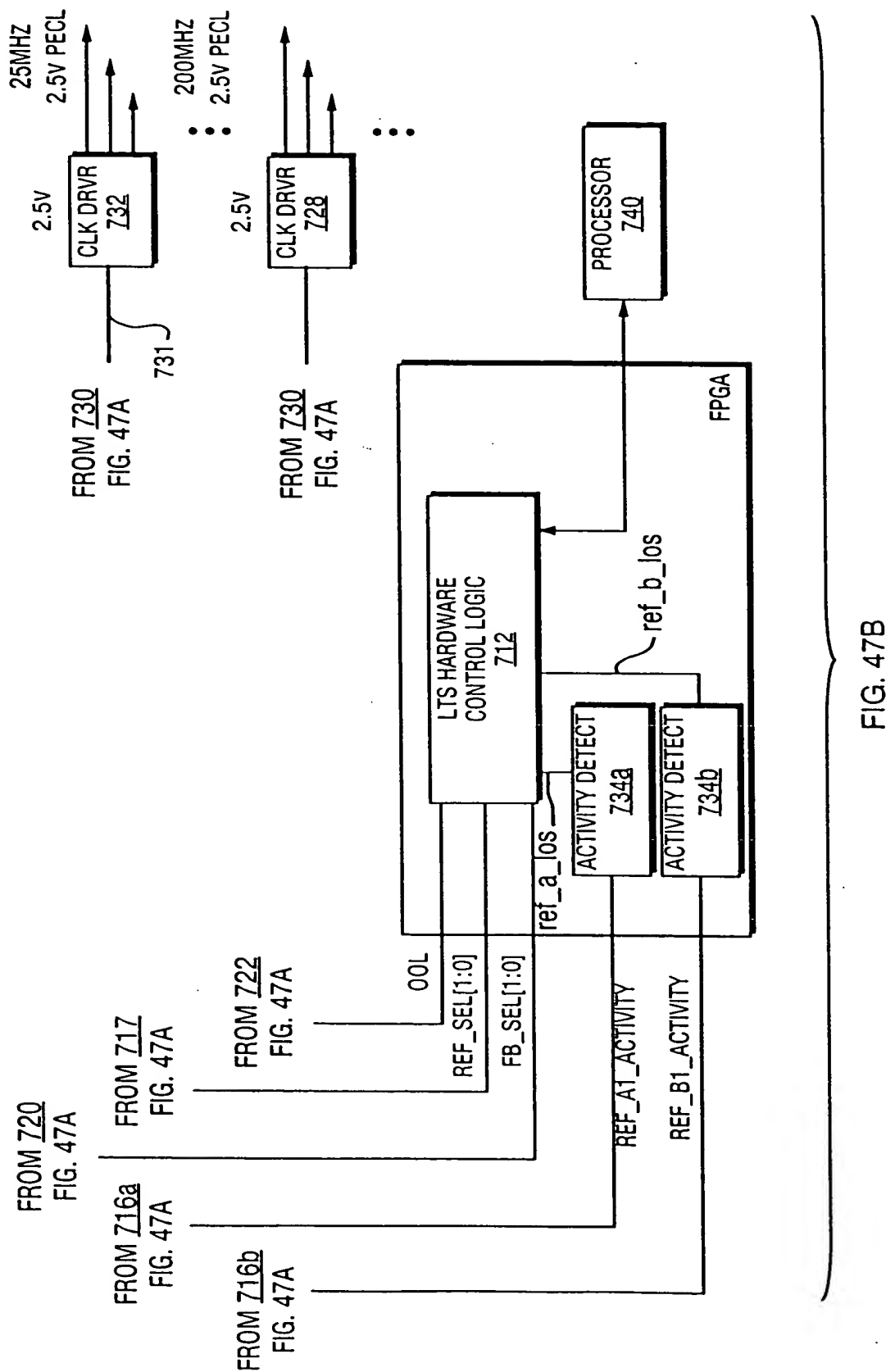


FIG. 47A



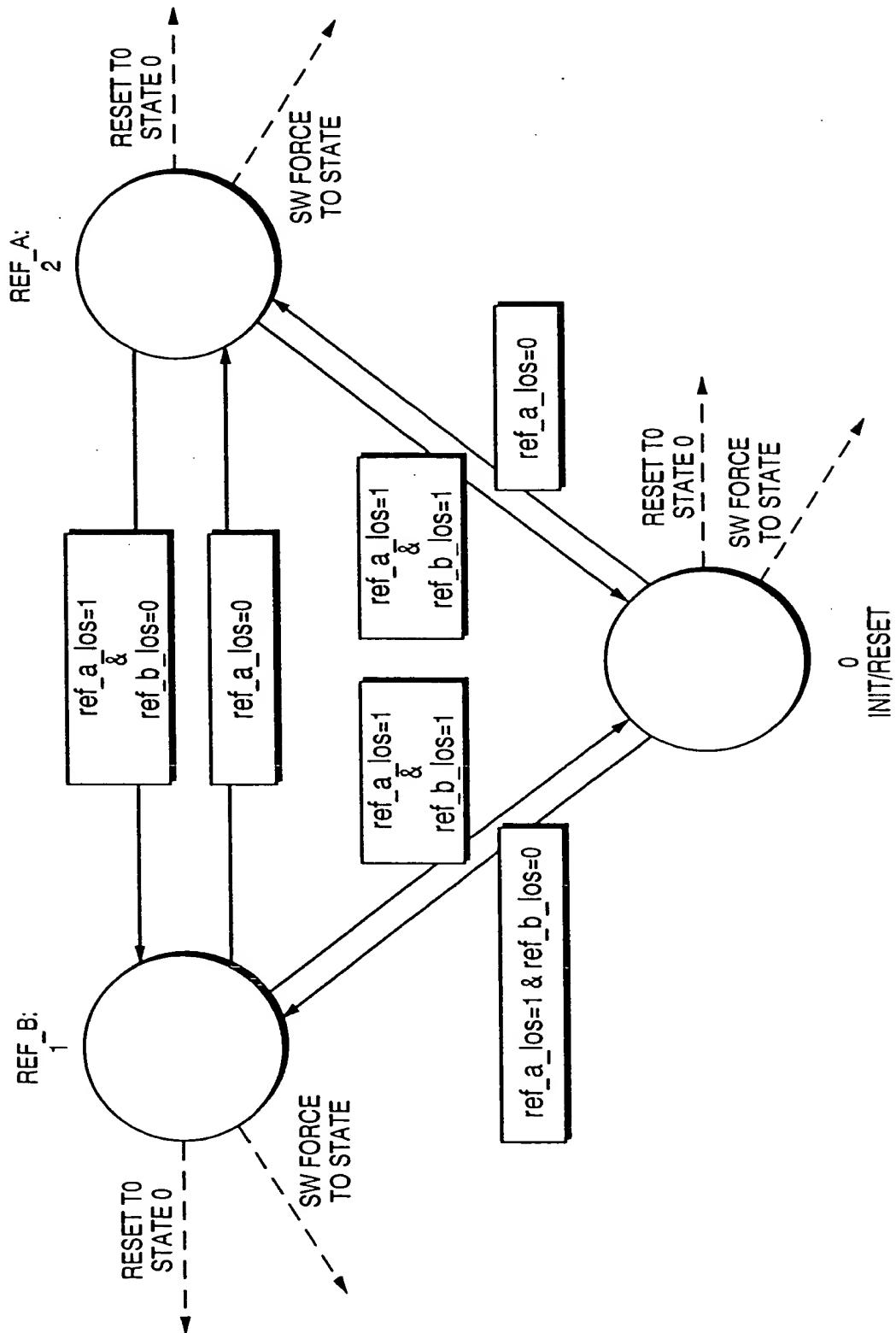


FIG. 48



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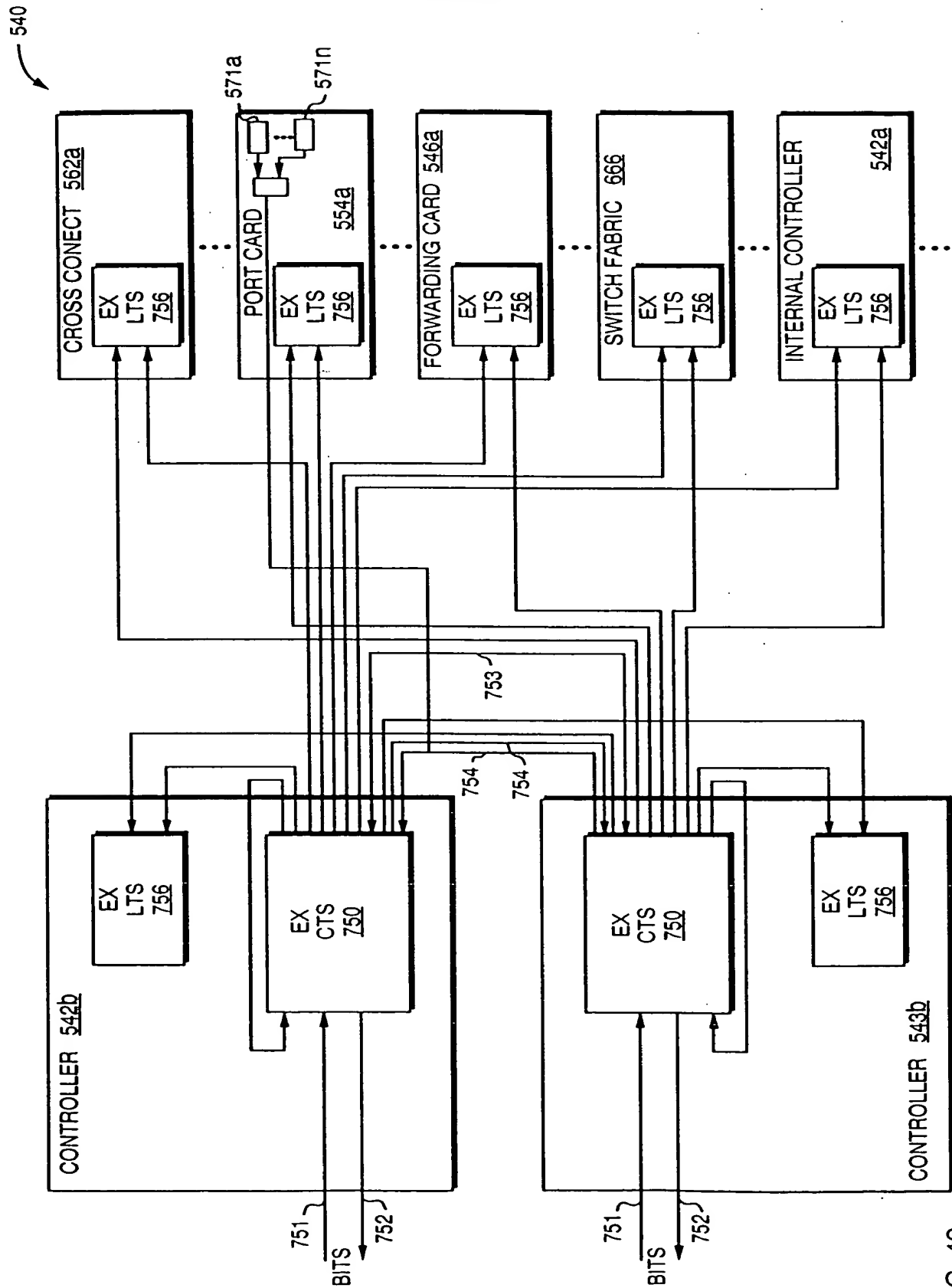


FIG. 49



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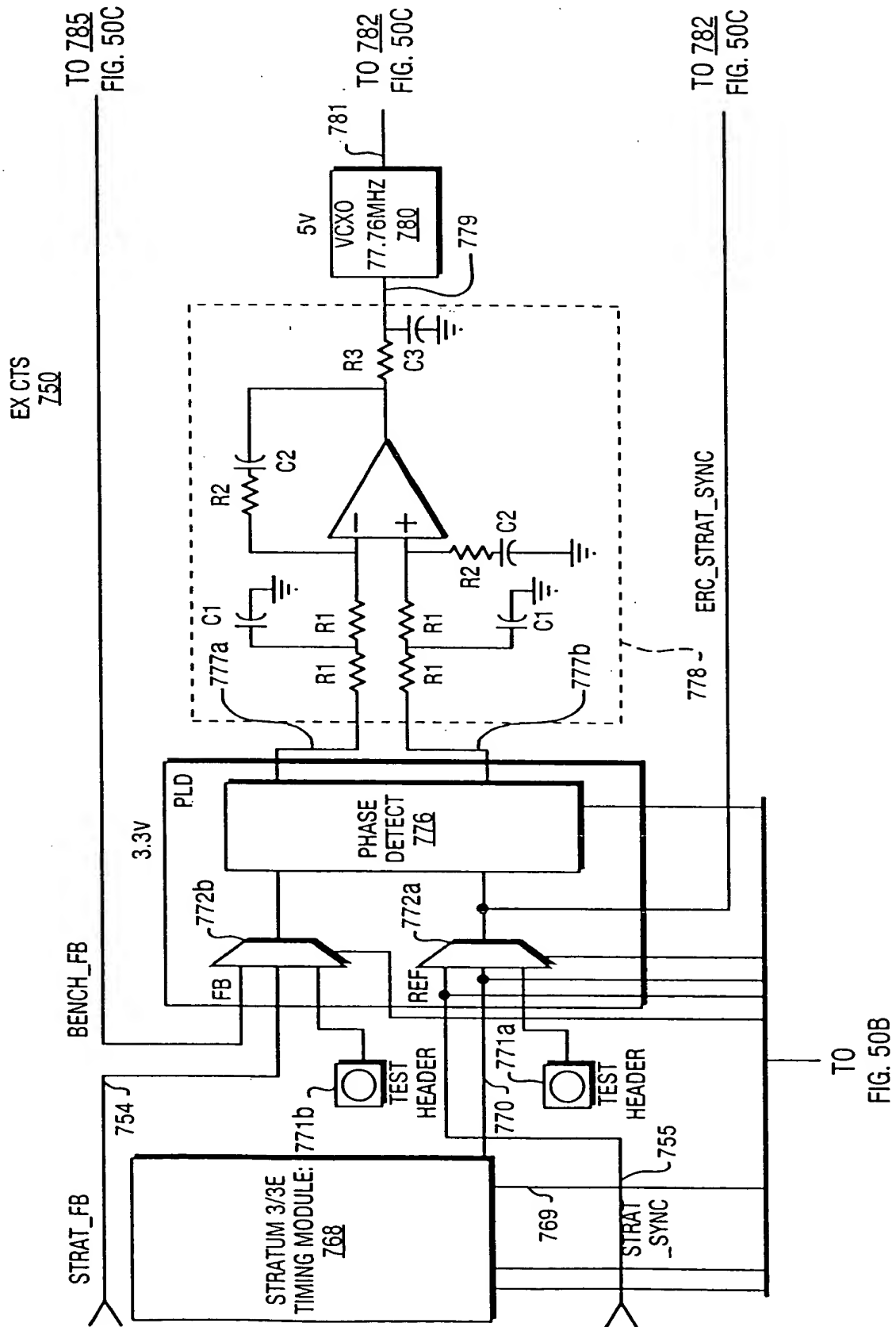


FIG. 50A

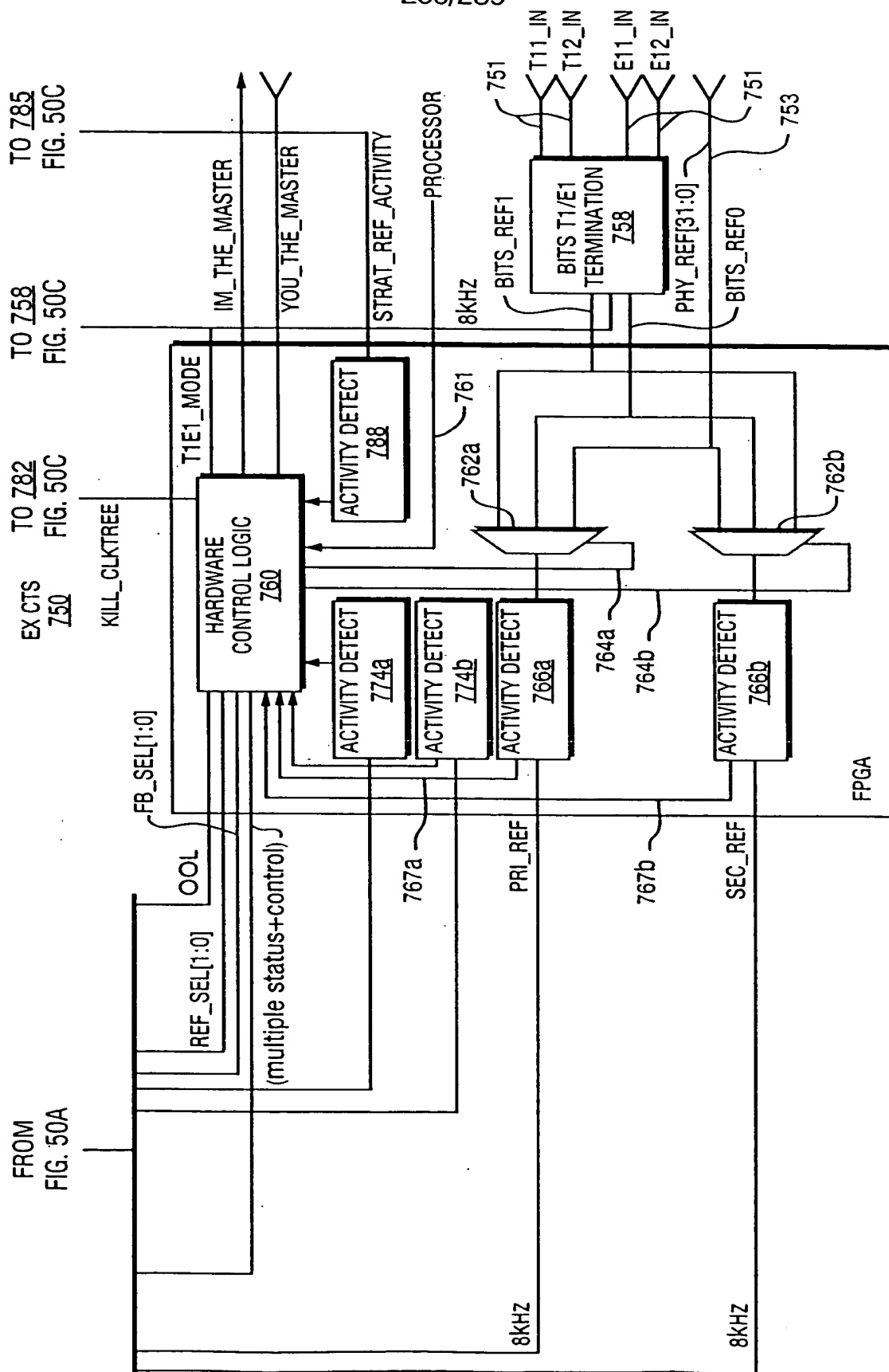
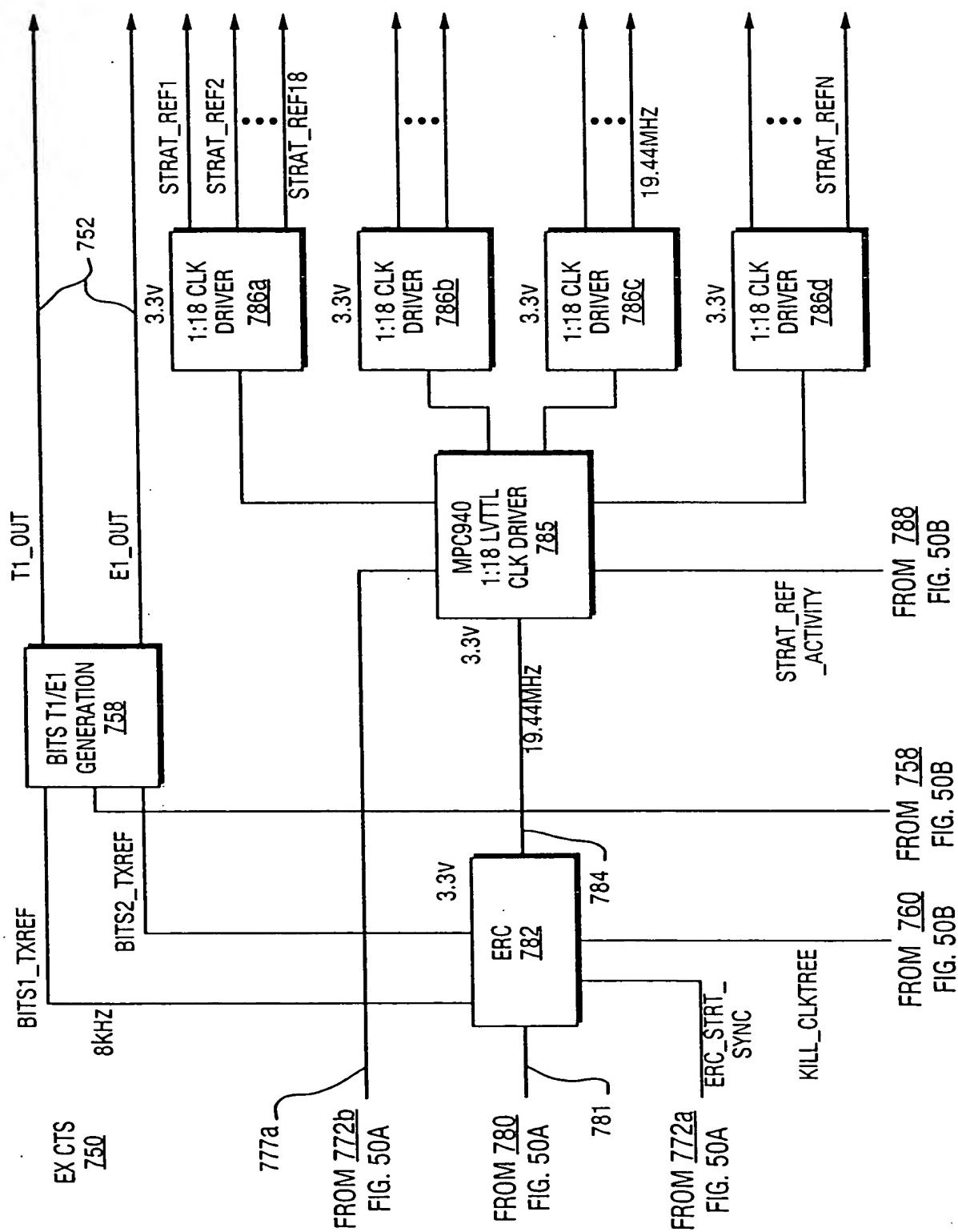


FIG. 50B



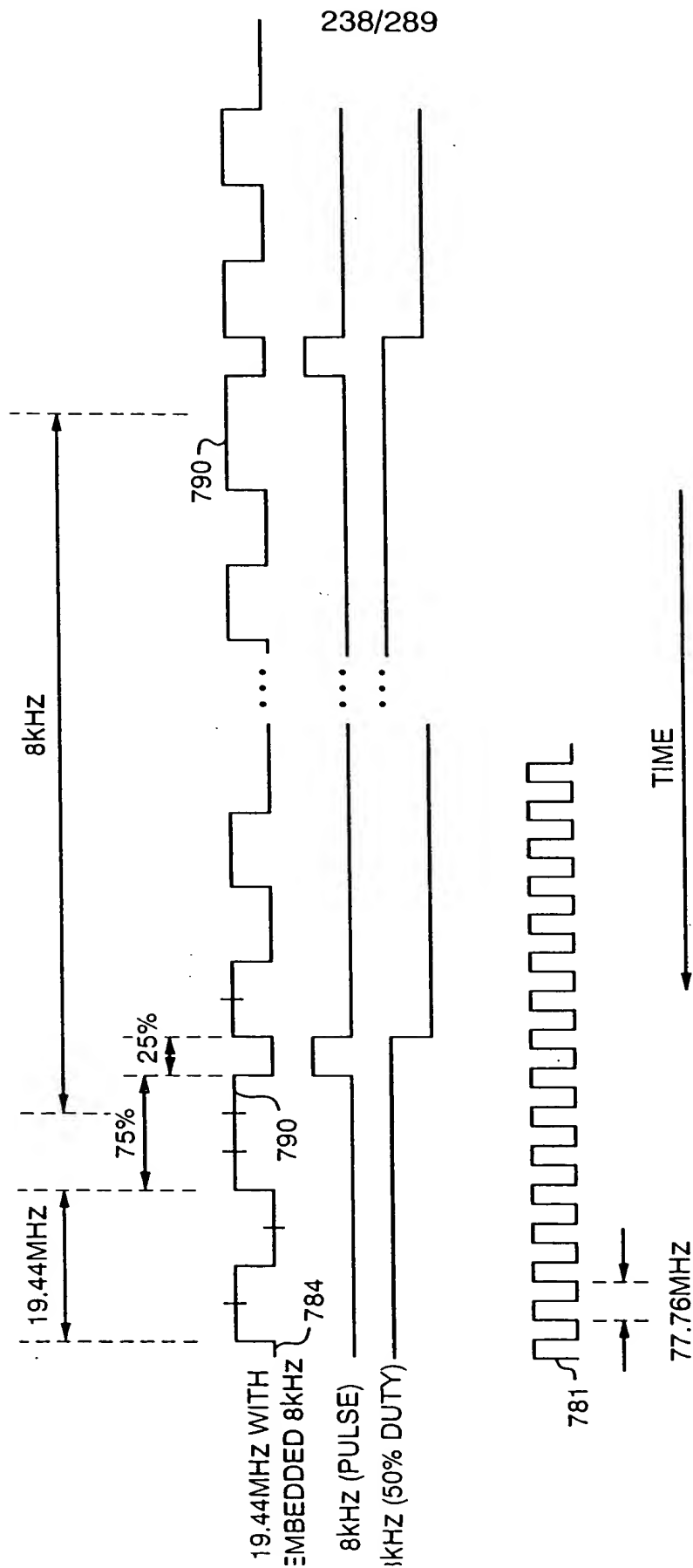


FIG. 51



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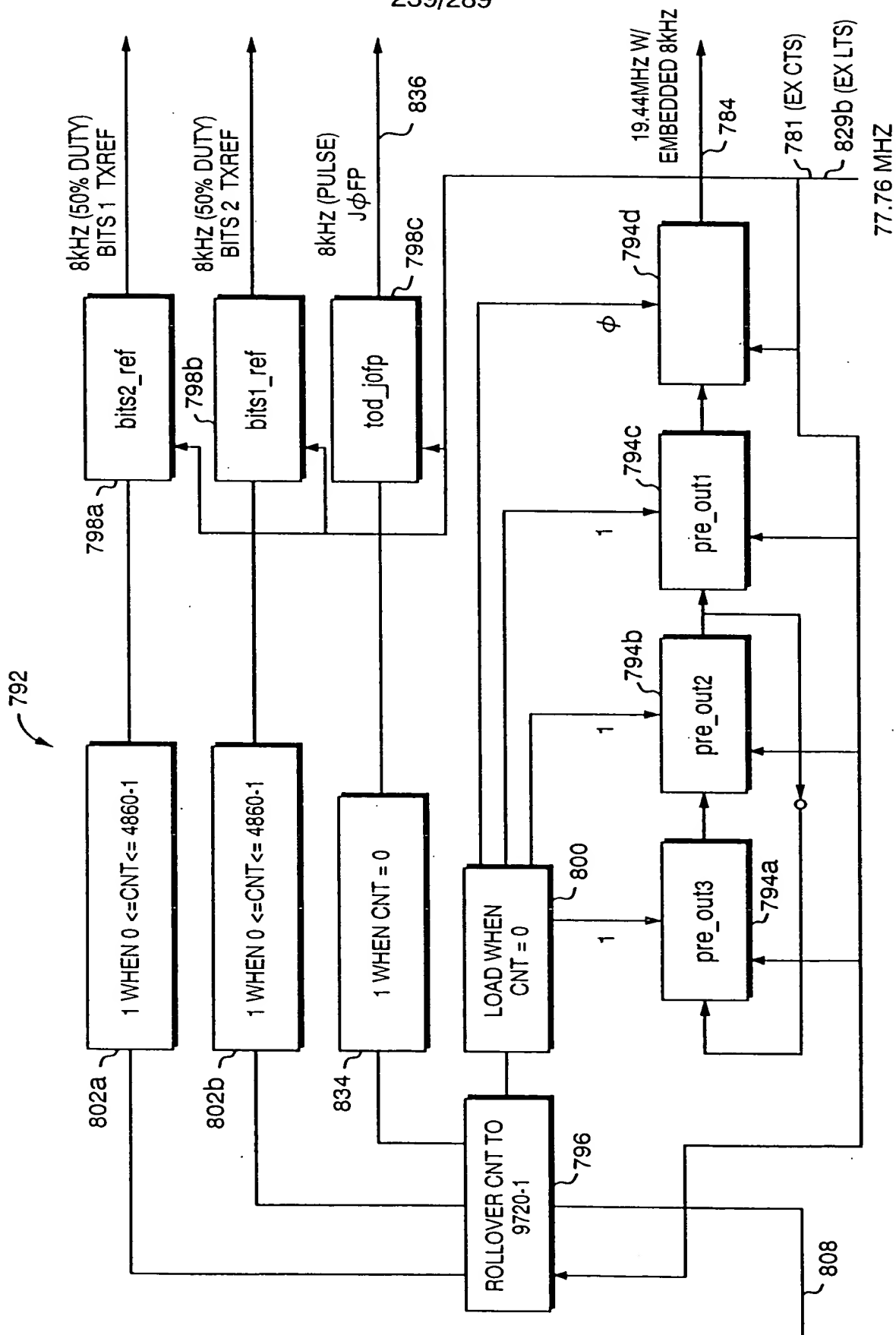


FIG. 52



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EXTRACTOR
804

ERC STRAT_SYNC (EX CTS)
STRAT_REF_A OR STRAT_REF_B (EX LTS) 832
19.44MHz WITH ENCLOSED 8kHz
(MUST BE PULLED LOW WHEN NOT PRESENT)

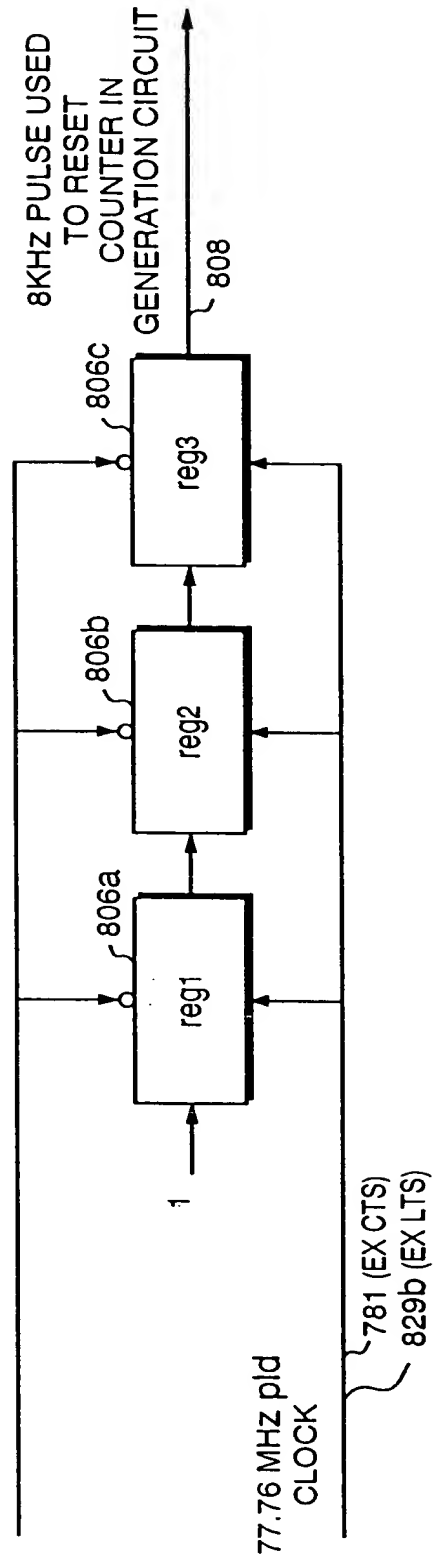


FIG. 53

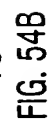


FIG. 54A

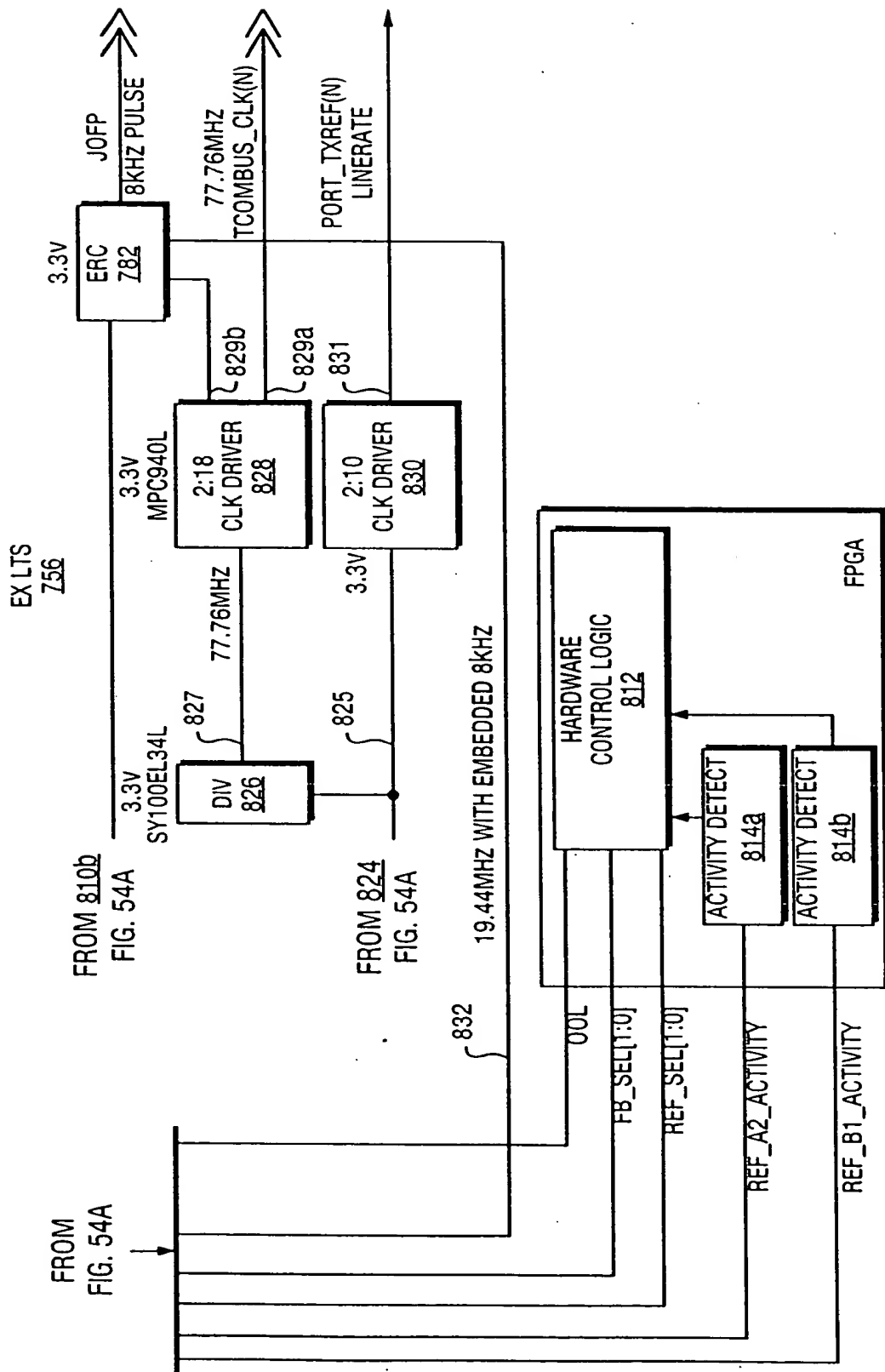
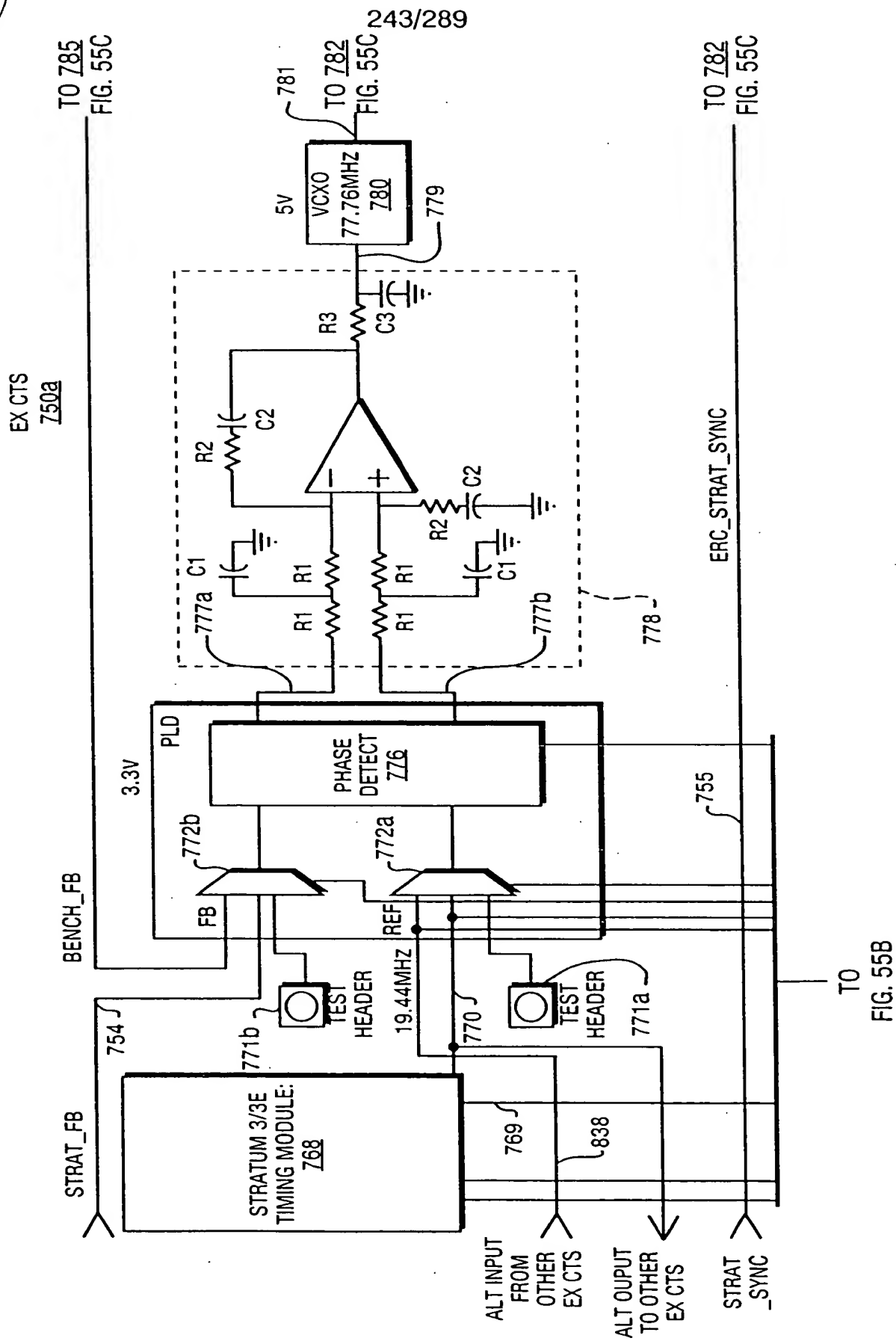


FIG. 54B



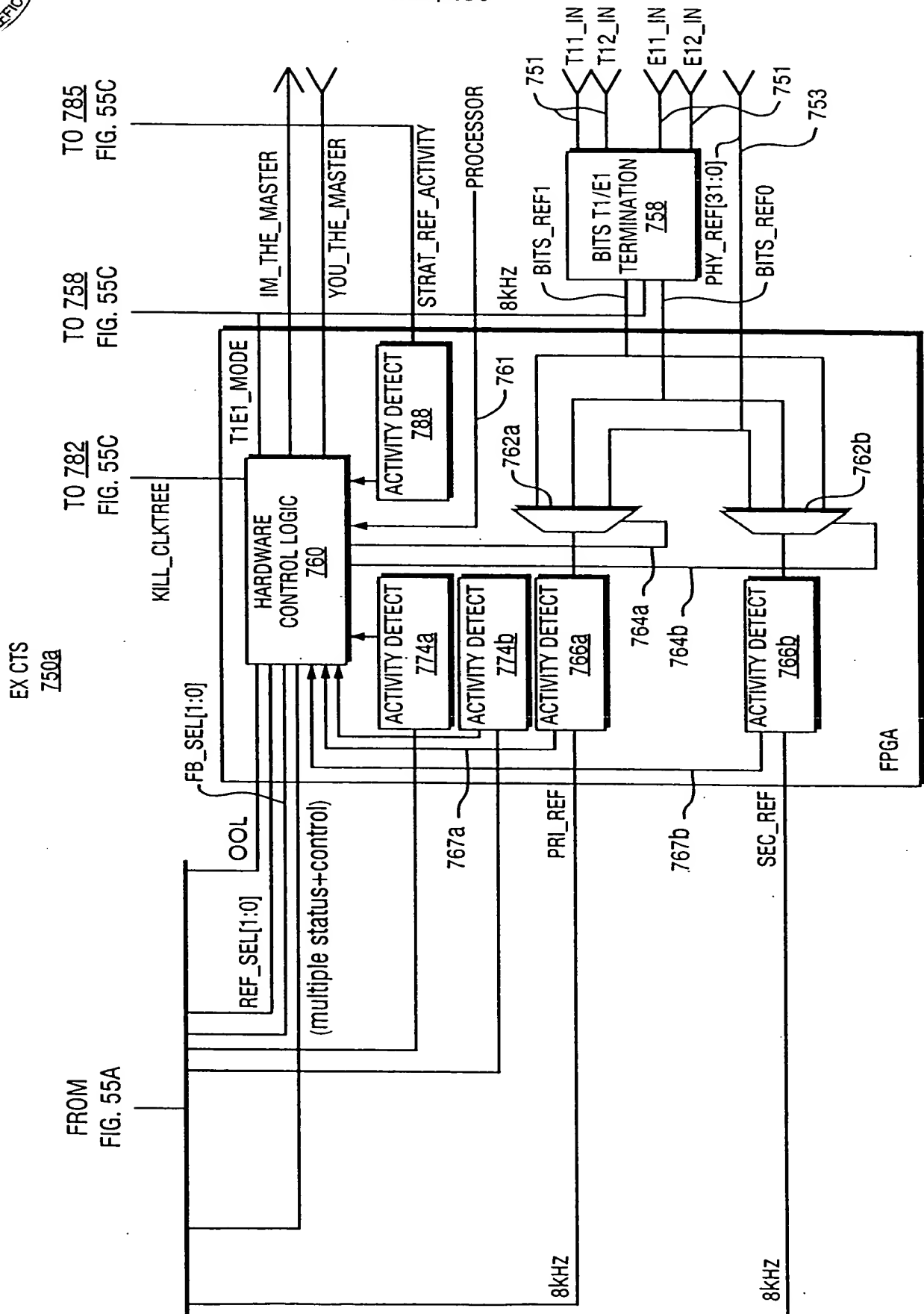


FIG. 55B

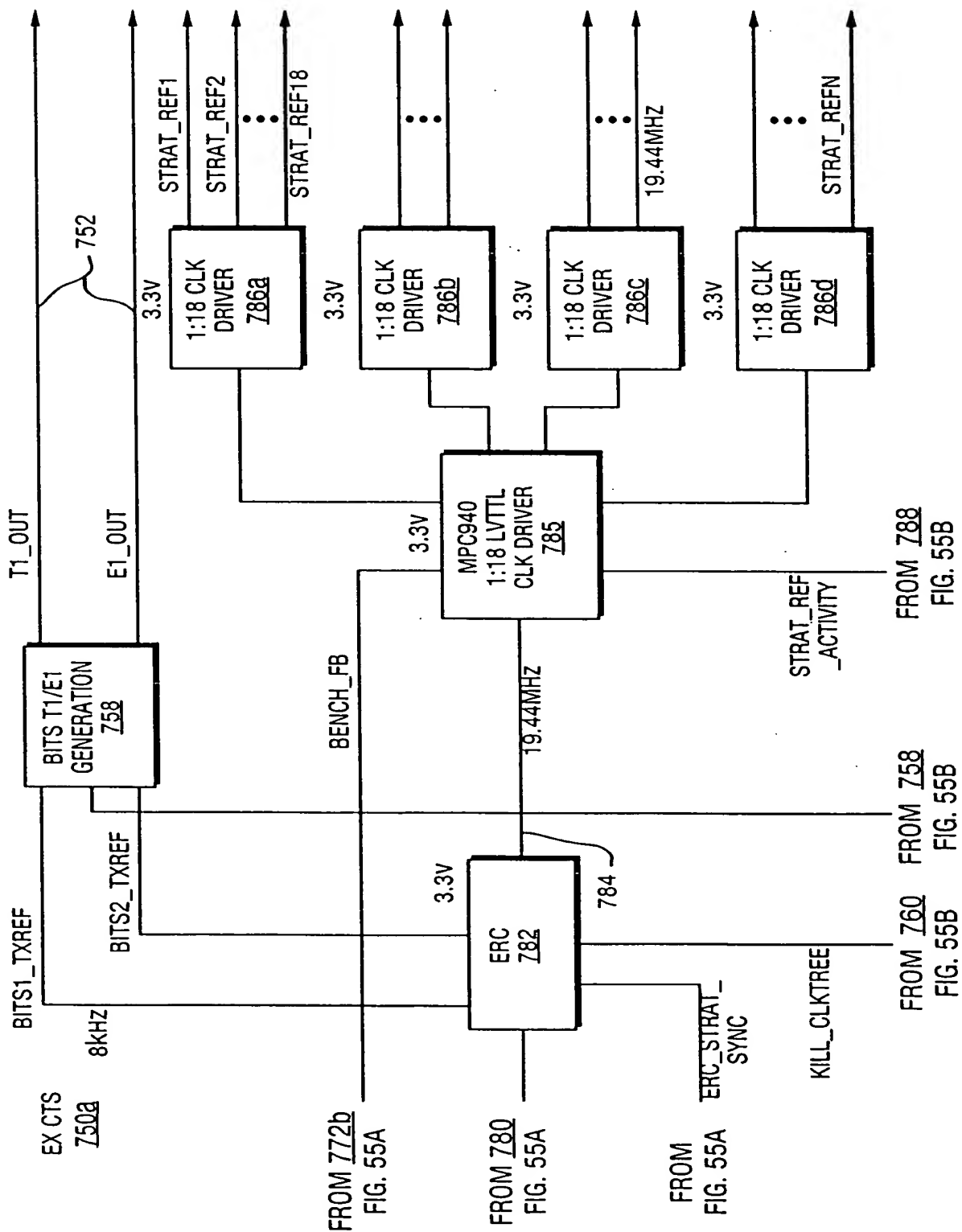


FIG. 55C

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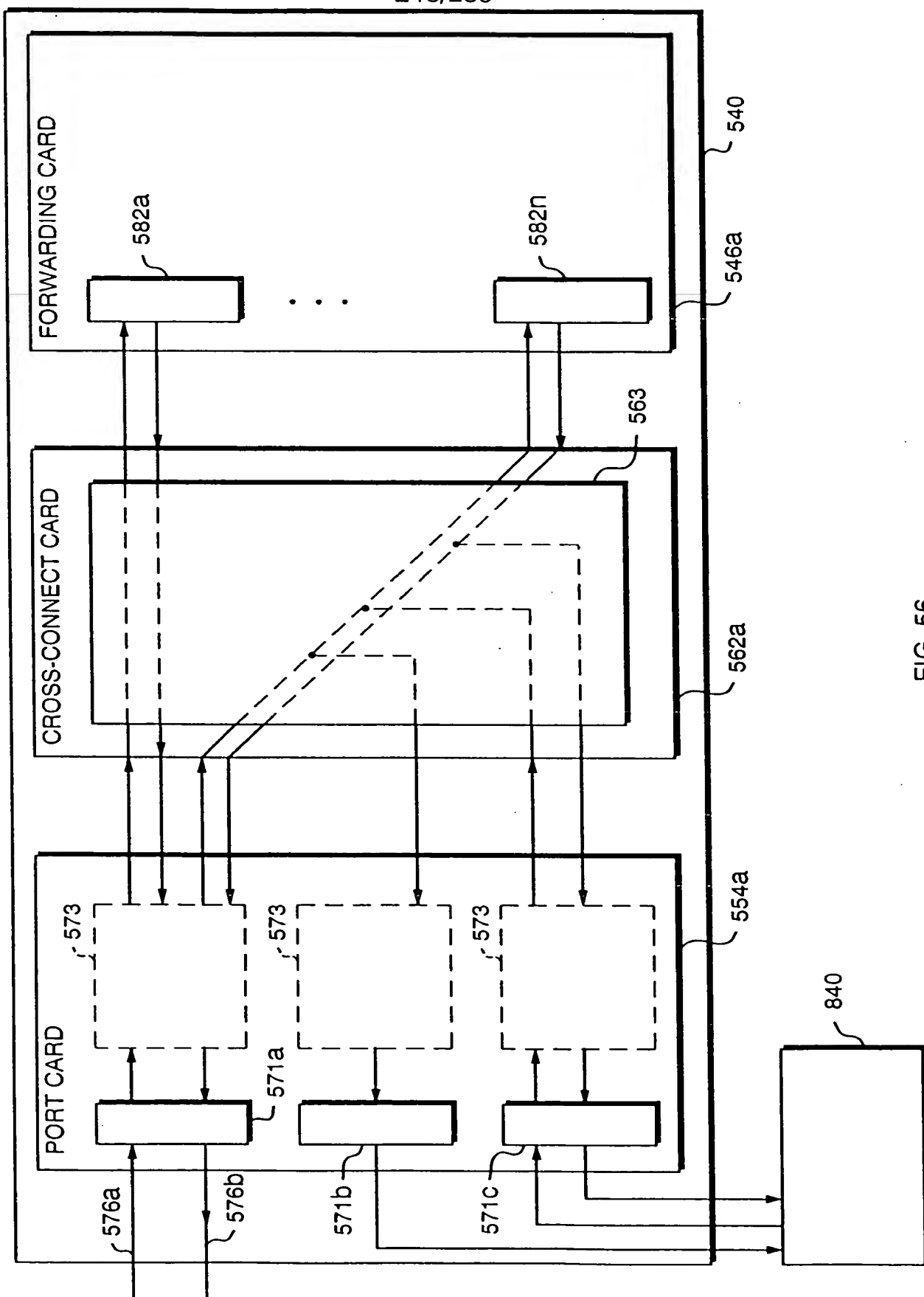


FIG. 56

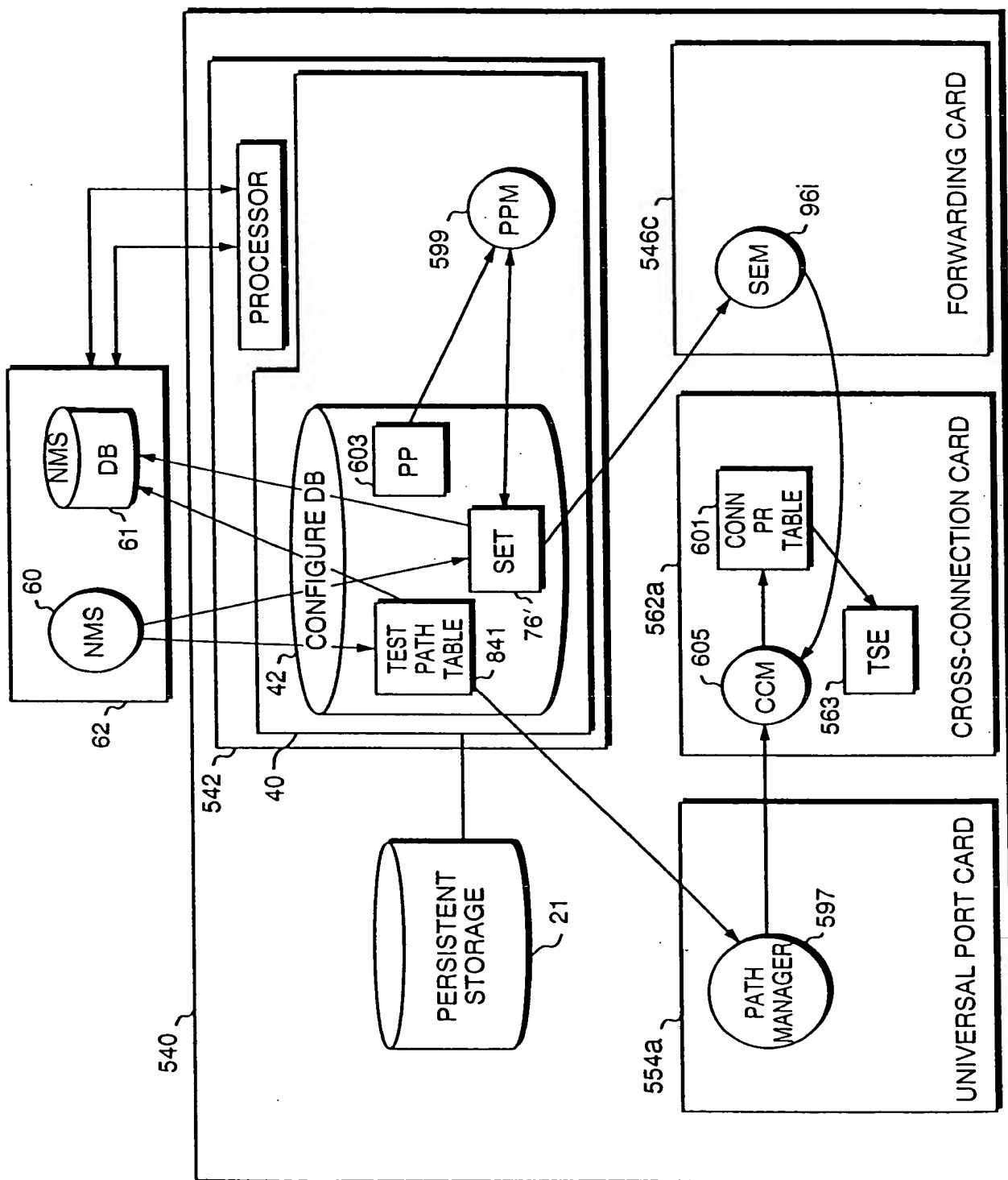


FIG. 57



TEST PATH TABLE 841

842			844			845		...
PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	ENABLE PORT RECEIVER			
1666	1232	4	3	INGRESS	NO			
1666	1233	4	3	EGRESS	NO			
1666	1233	4	3	INGRESS	YES			
.		
.		
.		

FIG. 58

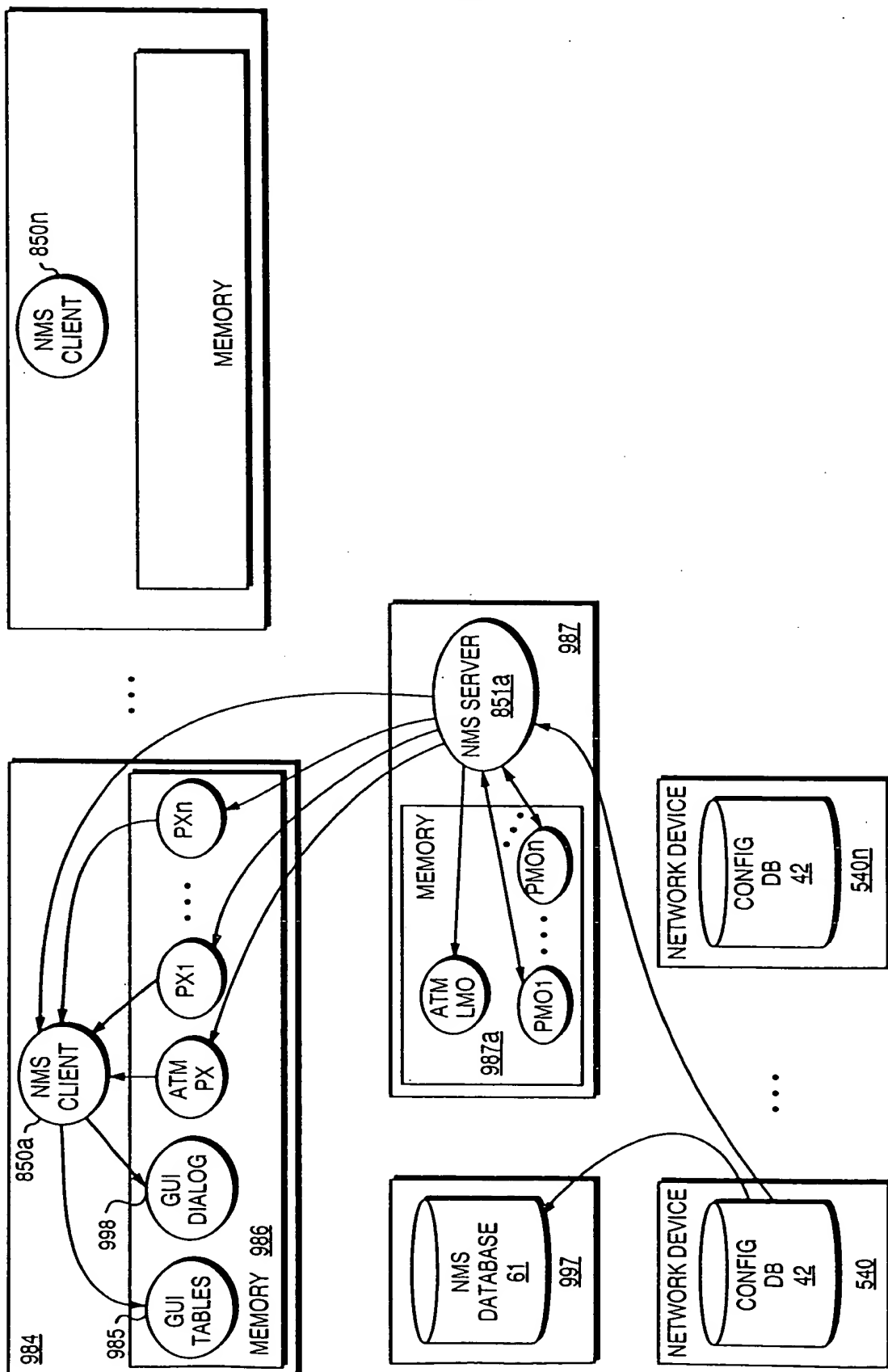


FIG. 59



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MANAGED DEVICE TABLE 983

983b	PID	A1	...	An	983a
	1				

FIG 60A

CHASSIS TABLE 988

988b	PID	A1	...	An	MANAGED DEVICE PID	988c
	1				1	988a
	
	

FIG 60B

SHELF TABLE 989

989a	PID	A1	...	An	CHASSIS PID	989b
	3				2	
	4				2	
	
	

FIG 60C

SLOT TABLE 990

990a	PID	A1	...	An	SHELF PID	990b
	20				3	
	21				3	
	
990c	116				18	990d

FIG 60D



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CARD TABLE 47'

47a

PID	CWD TYPE	VERSION NO.	SLOT PID	...
120	0XF002	3	20	
121	0XF002	4	21	
.
.
.
124	0X6002	1	24	
.
.
.
131	0XF002	1	31	
.
.
.

47b

FIG 60E

PORT TABLE 49'

49a

PID	PORT TYPE	VERSION NO.	CARD PID	...
300	00620	1	20	
301	00620	1	20	
302	00620	1	20	
303	00620	1	20	
304	00820	1	20	
.
.
.
400	00620	1	39	
.
.
.

49b

FIG 60F

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SONET PATH TABLE 600'

600a	600b			
	PATH LID	PORT LID	TIME SLOT	# OF TIME SLOTS
	901	304	4	3
	•	•	•	•
	•	•	•	•
	•	•	•	•

FIG. 60G

SERVICE ENDPOINT TABLE 76''

76a	76c		76d		76e		76b	
	SE LID	Q #	FC PID	FC SLICE PID	FC TIME SLOT	PATH LID	...	
	3000					901		
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•

FIG. 60H

ATM IF TABLE 114''

114a	114b		
	ATM IF LID	ATM GROUP LID	SE LID
	5054		3000
	•	•	•
	•	•	•
	•	•	•

FIG. 60I



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VIRTUAL ATM IF TABLE 993

993a	LID	A1	...	An	ATM IF LID	993b
	7489				5054	
	
	

FIG 60J

VIRTUAL CONNECTION TABLE 994

994a	LID	A1	...	An	VIR. ATM IF LID	994b
	
	
	

FIG 60K

VIRTUAL LINK TABLE 995

995a	LID	A1	...	An	VIR. CONN. LID	995b	995c

FIG 60L

CROSS-CONNECT TABLE 996

996a	LID	A1	...	An	VIR. LINK1 LID	996b	996c

FIG 60M

ATM NODE TABLE 999

999a	LID	A1	...	An	MANAGED DEVICE PID	999b
	5000				1	999c

FIG 60N



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PHYSICAL MANAGED OBJECT 991

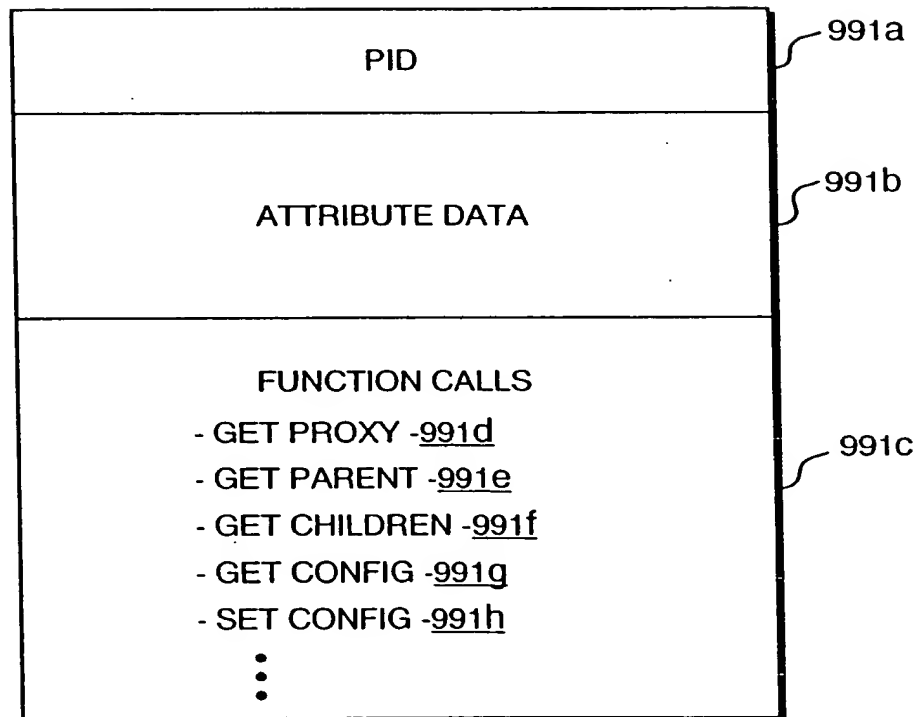


FIG. 61A



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PROXY 992

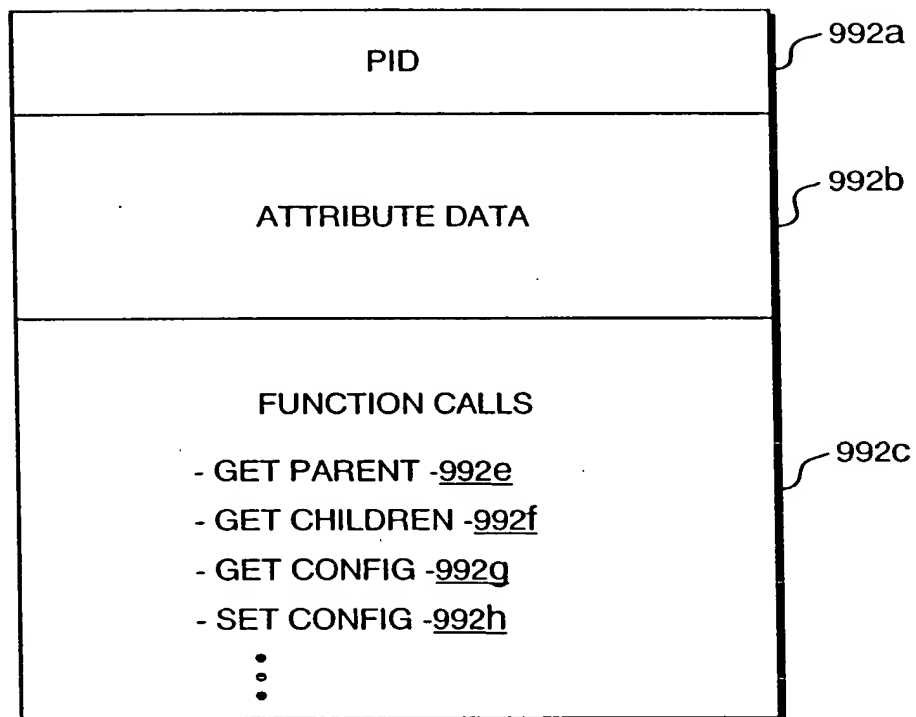


FIG. 61B



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997

EvailNet Manager: Modify SONET Path - Shelf 11/Slot4/Port 1

X

System: 192.168.9.202

SONET Path Parameters

Path Name

Path1_11/4/1

Path Number

1

Path Width

STS-3c

Path Type

Terminated-ATM

Connection Information

Connected SONET Path

☒ None

☐ Specific

Paths...

ATM Interface Name

Modules

OK

Cancel

997a

998b

FIG. 62



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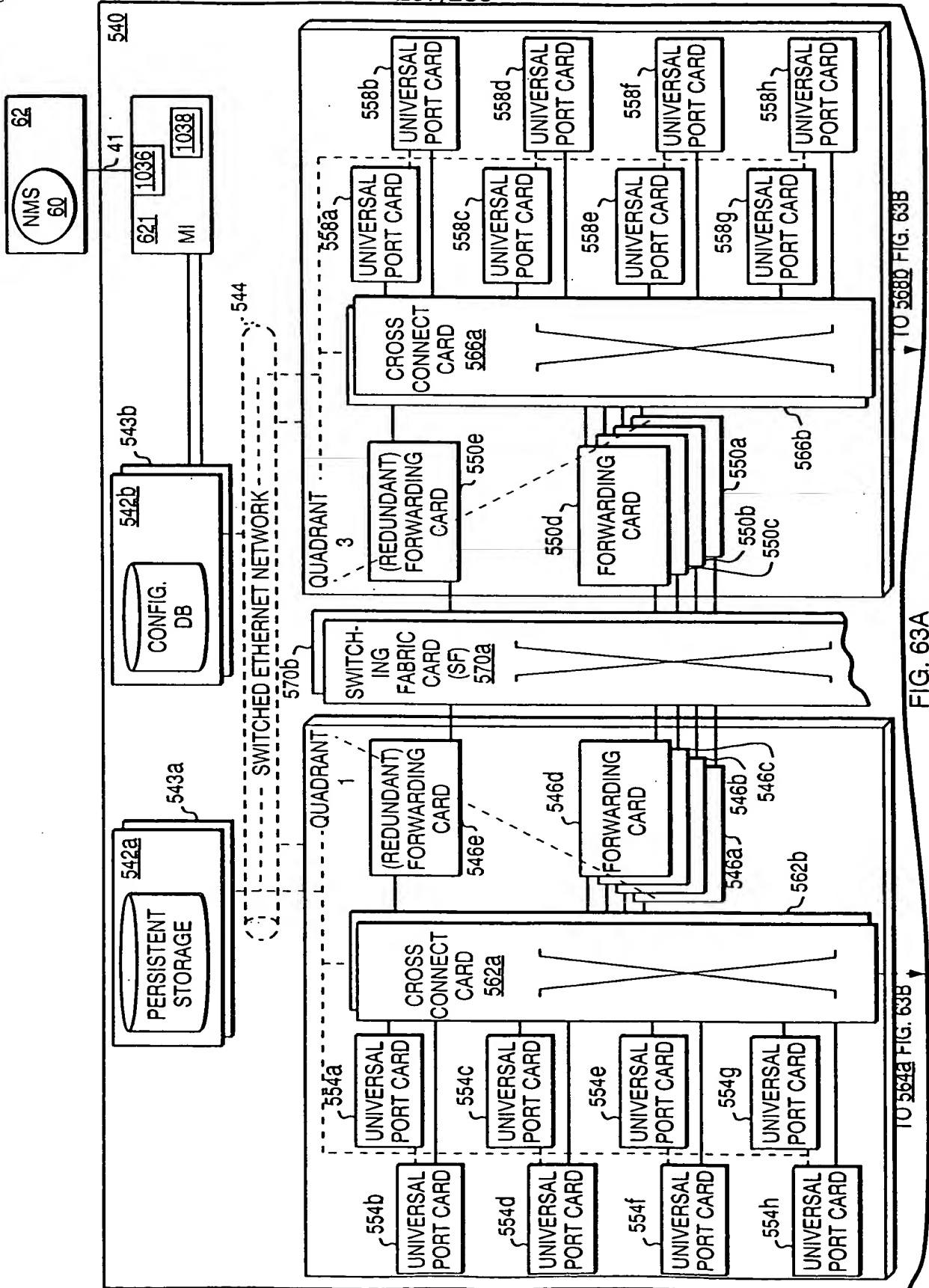


FIG. 63A

TO 568b FIG. 63B

TO 564a FIG. 63B

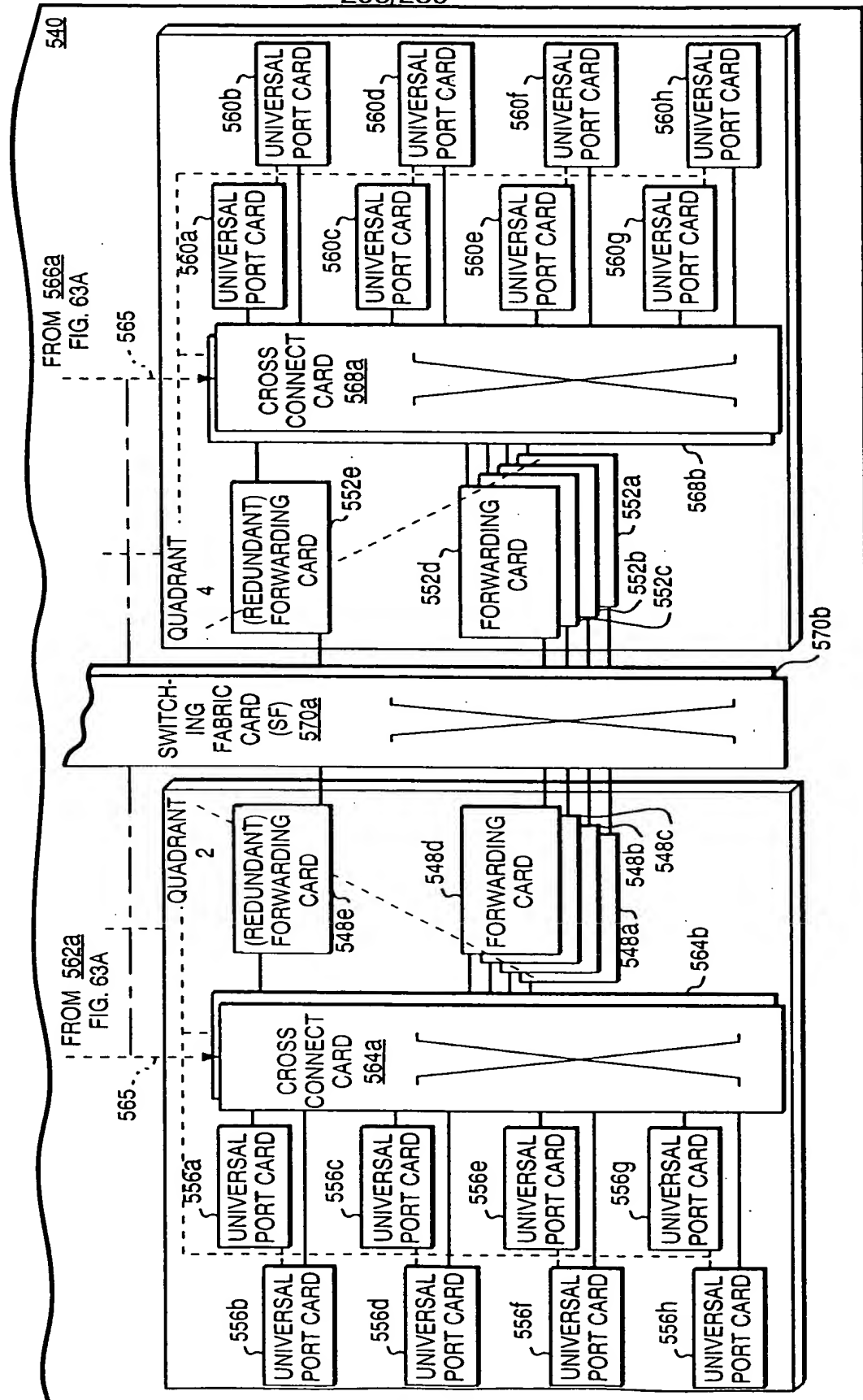


FIG. 63B



ADMINISTRATION MANAGED DEVICE TABLE 1014'

1014a'					1014e' 1014f'				
LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD	PHYSICAL ID	PHYSICAL ID
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3		
.
.
.

FIG. 64

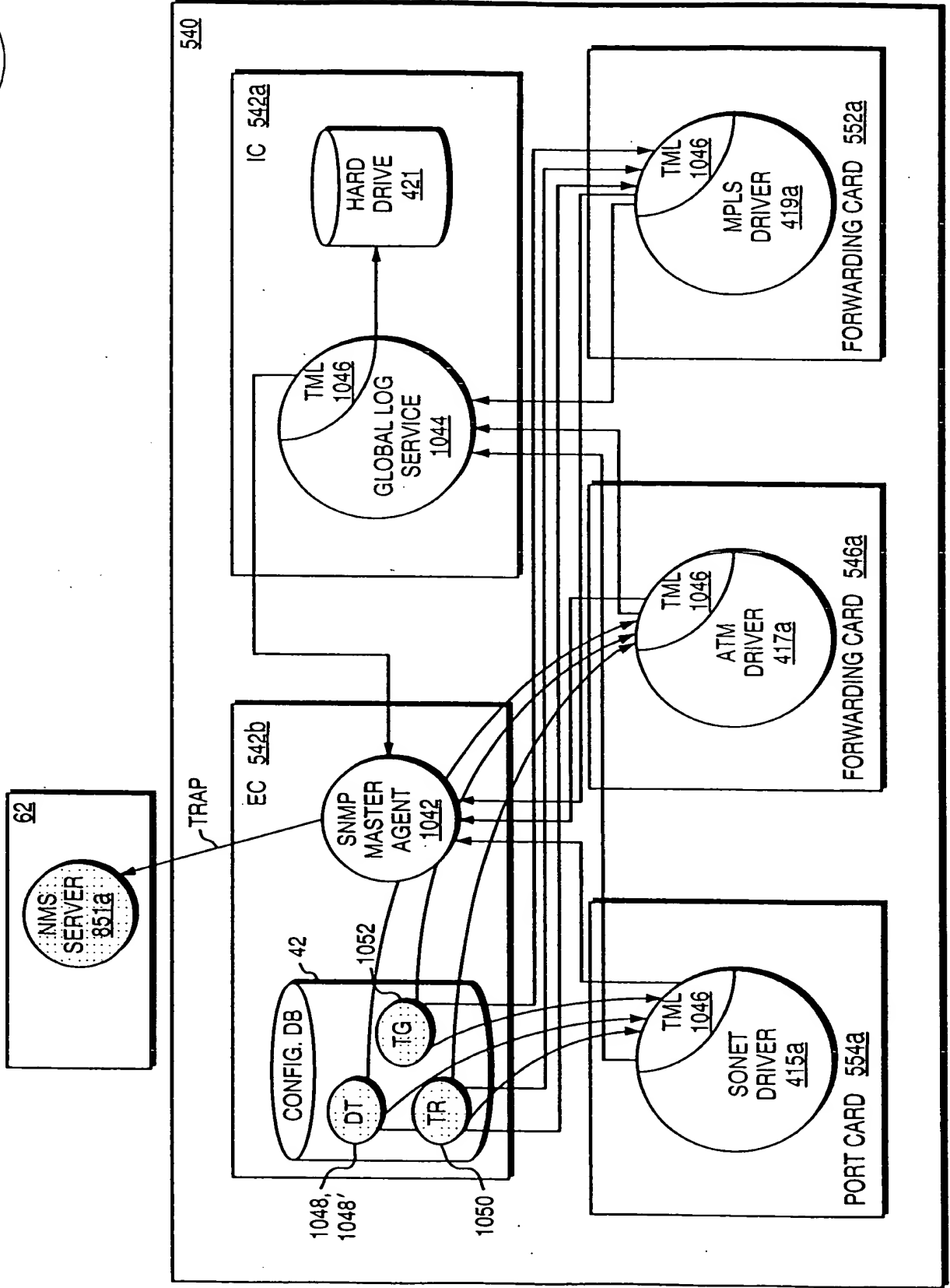


FIG. 65

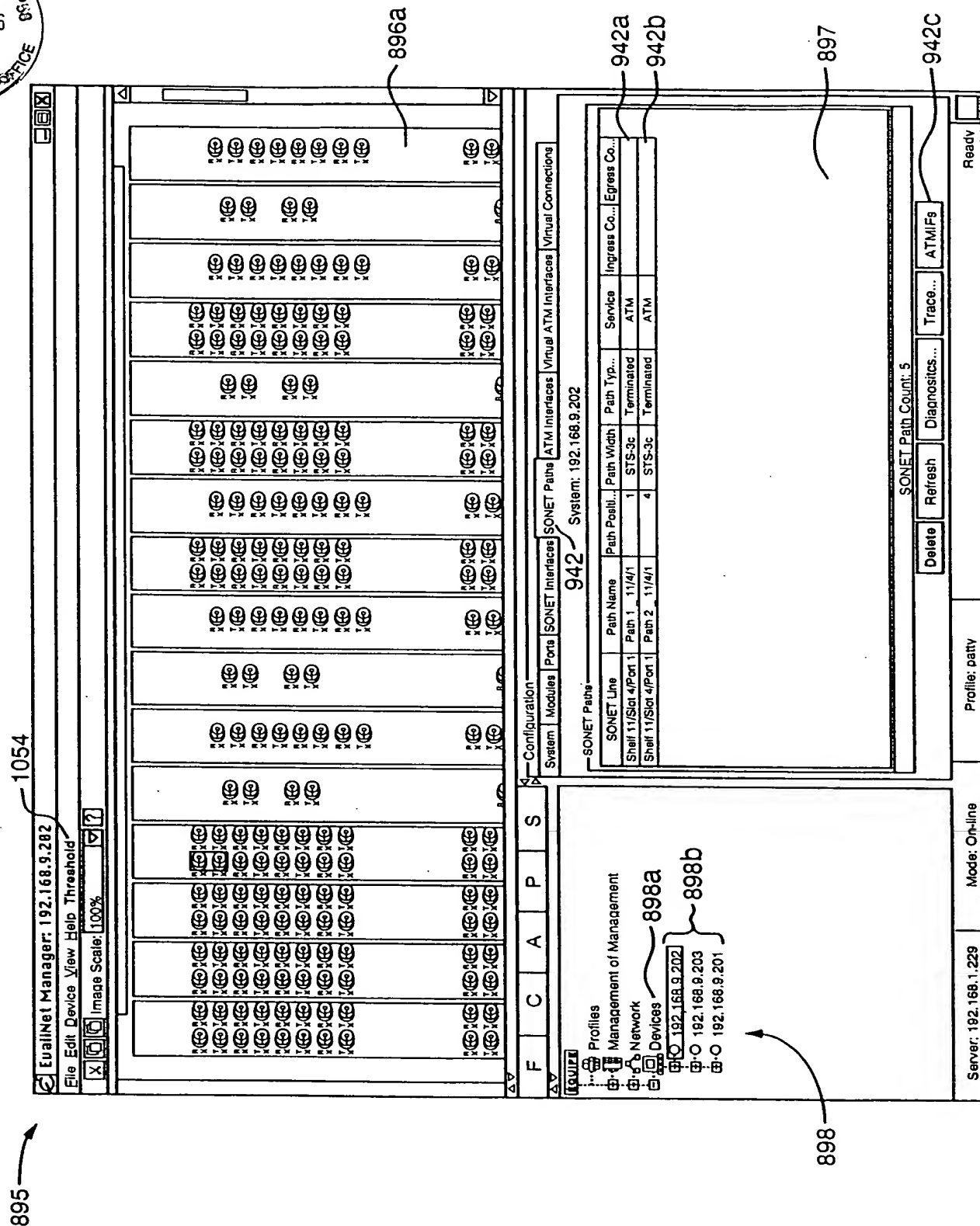
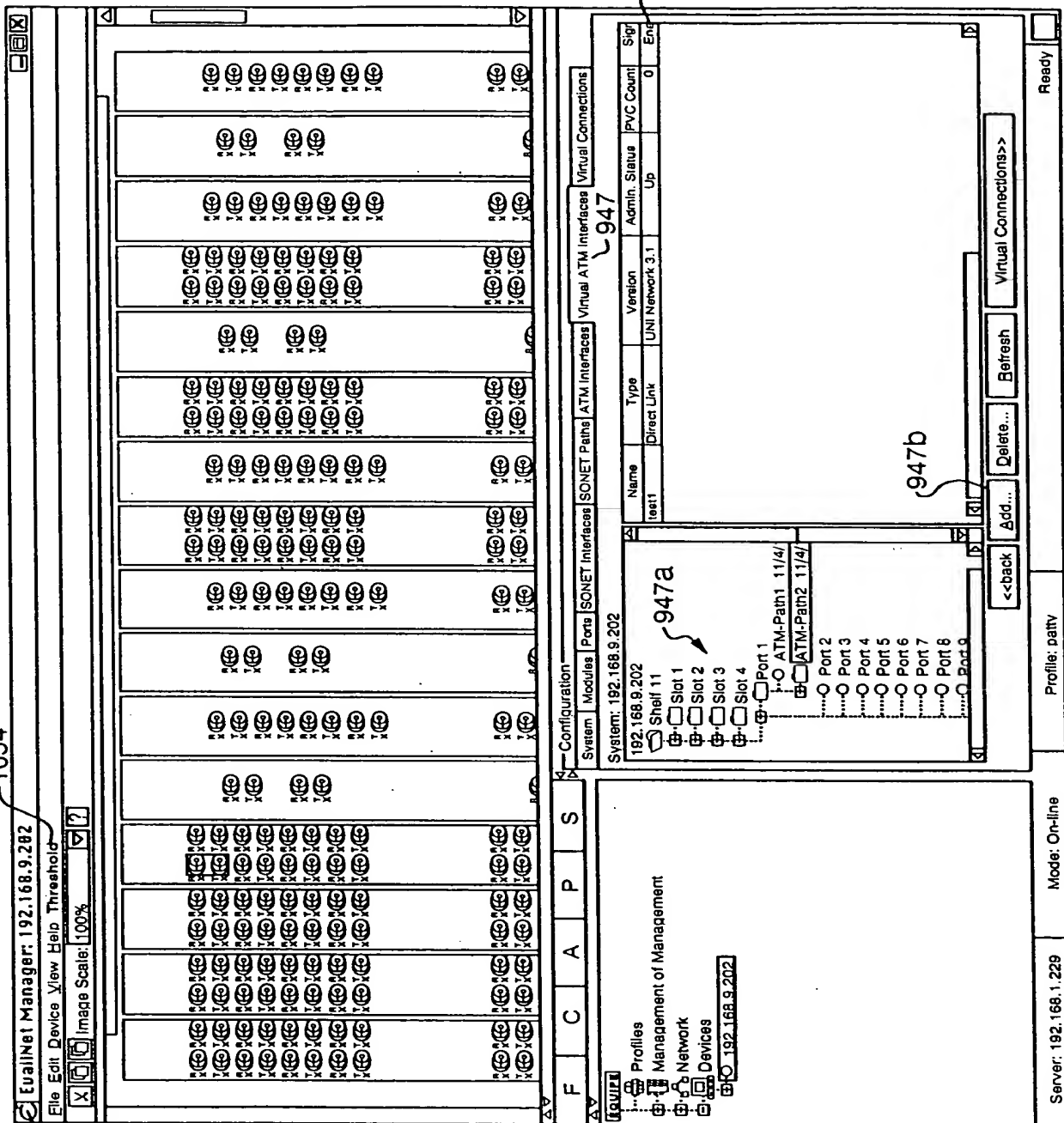


FIG. 66A





895

1054

EvalNet Manager: 192.168.9.202
File Edit Device View Help Threshold
Image Scale: 100%

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.132.50.150

948C

948b

948a

Profiles
Management of Management
Network
Devices
192.168.9.202

Server: 192.168.1.229 Mode: On-line

Profile: paty

Ready

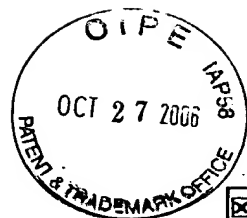
Refresh Delete... Add... User Preference...

Topology
VPI VCI Type
test 5 VPC

Interface test 11/4/1

Port 1 ATM-Path1 11/4
Port 2 ATM-Path2 11/4
Port 3 test1
Port 4 test2
Port 5
Port 6
Port 7
Port 8
Port 9
Port 10
Port 11

FIG. 66D



995 EvalNet Manager: 192.168.9.202

File Edit Device View Help Threshold

Image Scale: 50%

926b **556h** **570a** **560h** **926a**

896b **930** **554a** **896a** **570b** **543a** **542a** **931**

898

897

898

Profiles
Management of Management
Network
Devices
O 192.168.9.202
O 192.168.9.201
O 192.168.9.203

898a **898b**

System: 192.168.9.202

System Name: EBOX

System Description: Equip EBOX B1

System Contact: NMS SQA

System Location: NMS LAB

System IP Address: 192.168.9.202

System Up Time: 7953330

System ID: 1.3.6.1.4.1.5022.1.1

System Services: Data-Link

Apply Refresh Reset System...

Configuration

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces

Empty Universal Port Slot Shelf 13 / Slot 14

Server: 192.168.1.229 Mode: On-line Profile: petty

Ready

FIG. 66E



1056

THRESHOLD DIALOG BOX

1056a	RESOURCE:	<div>1056j</div>	<div>1056f</div>
1056b	ATTRIBUTE:		
1056c	THRESHOLD RULE:		
1056d	SAMPLING FREQUENCY:	<div>1056k</div>	<div>1056g</div>
1056e	ACTION:	<div>1056l</div>	<div>1056h</div>
	<div>1056o</div> <input type="checkbox"/> LOG	<div>1056m</div>	<div>1056i</div>
	<div>1056n</div> <input type="checkbox"/> NMS		
	<div>OK</div>	<div>CANCEL</div>	

1056p

FIG. 67



DYNAMIC THRESHOLD TABLE 1048

1048a	1048c	1048d	1048e	1048f
RESOURCE ID	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE
901	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
901	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR > 10
901	PATH ERRORS (PATH END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR > 10
• • •	• • •	• • •	• • •	• • •
5054	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
5054	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
• • •	• • •	• • •	• • •	• • •
7312	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
7312	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
	• • •	• • •	• • •	• • •

FIG. 68



DYNAMIC THRESHOLD TABLE 1048'

1048a' THR. GROUP LID	1048b' RESOURCE	1048c' ATTRIBUTE	1048d' SAMPLING FREQ.	1048e' ACTION	1048f' RULE
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR > 10
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR > 10
.
.
.
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
8433	ATM IF	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
.
.
.
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
.
.
.

FIG. 69A



THRESHOLD GROUP TABLE 1052

1052a	RESOURCE ID	THRESHOLD GROUP LID	1052b
	901	8312	
	902	8313	
	903	8312	
	⋮	⋮	
	5054	8433	
	⋮	⋮	
	7312	8542	

FIG. 69B



DYNAMIC THRESHOLD TABLE 1048''

1048a''	1048b''	1048c''	1048d''	1048e''	1048f''	1048g''	1048h''	1048i''	1048j''	1048k''	1048l''	1048t''
THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE LID	VARIAB. a	VARIAB. b	VARIAB. c	VARIAB. d	VARIAB. e	VARIAB. f	VARIAB. n
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10						
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10					
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10					
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am	
8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13						
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	9424	4						
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	9425							
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 70A



THRESHOLD RULE TABLE 1050

1050a	RULE LID	EXPRESSION	1050b
1050c	9421	IF ATTRIBUTE > a	
	9422	IF ATTRIBUTE < a OR > b	
	9423	IF ATTRIBUTE > a BETWEEN b-c OR > d BETWEEN e-f	
	9424	IF ATTRIBUTE < a	
	9425	IF ATTRIBUTE = 0	
	9426	RMON	
	9427	FOE	
	9428	IF ATTRIBUTE < a GO TO RULE LID b	
	⋮	⋮	

FIG. 70B



DYNAMIC THRESHOLD TABLE 1048'''

THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE LID	VARIAB. a	VARIAB. b	VARIAB. c	VARIAB. d	VARIAB. e	VARIAB. f	VARIAB. n	ACTIVE/ INACTIVE
1048a'''	1048b'''	1048c'''	1048d'''	1048e'''	1048f'''	1048g'''	1048h'''	1048i'''	1048j'''	1048k'''	1048l'''	1048m'''	1048n'''
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10							
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10						
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10						
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am		
8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13							
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	9424	4							
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	9425								
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8588	HARD DRIVE	UNUSED DISK SPACE	5 min	LOG	9428	80	9424						ACTIVE
8588	HARD DRIVE	UNUSED DISK SPACE	30 sec	TRAP	9424	20							INACTIVE

FIG. 71

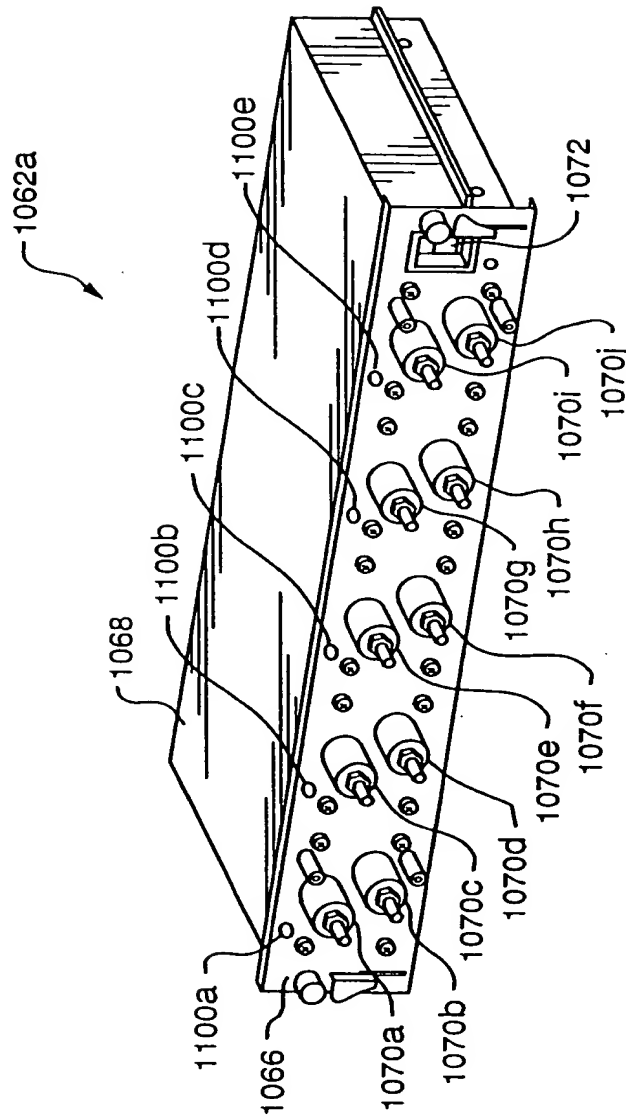


FIG. 72A

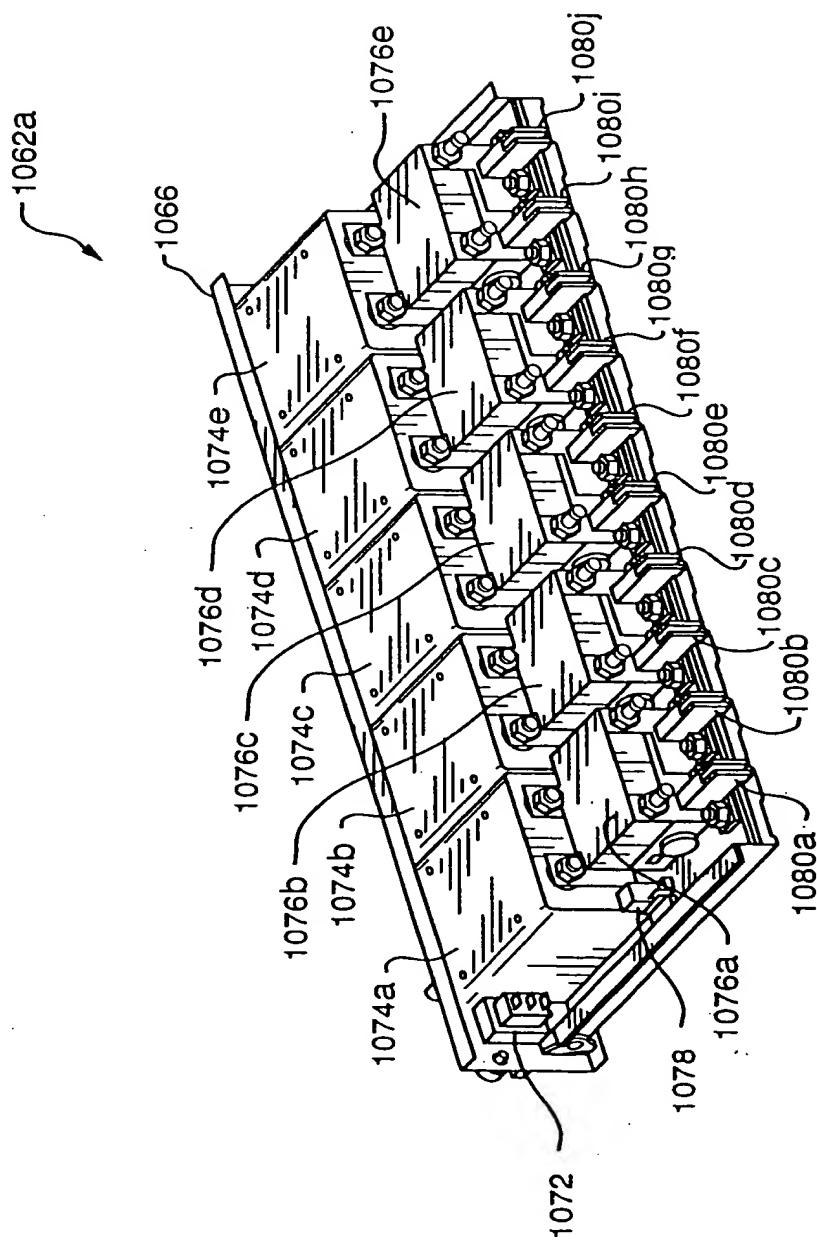
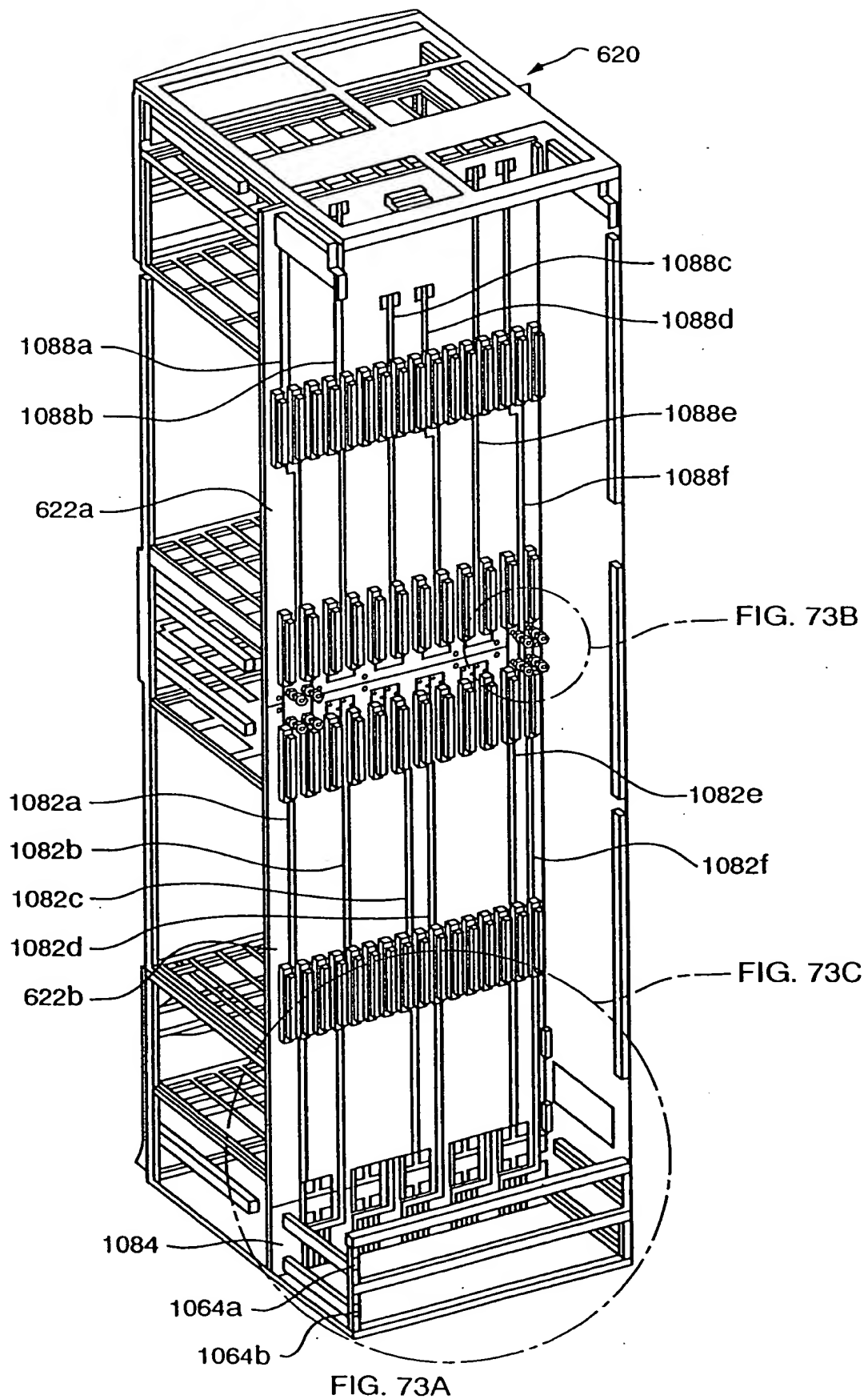


FIG. 72B





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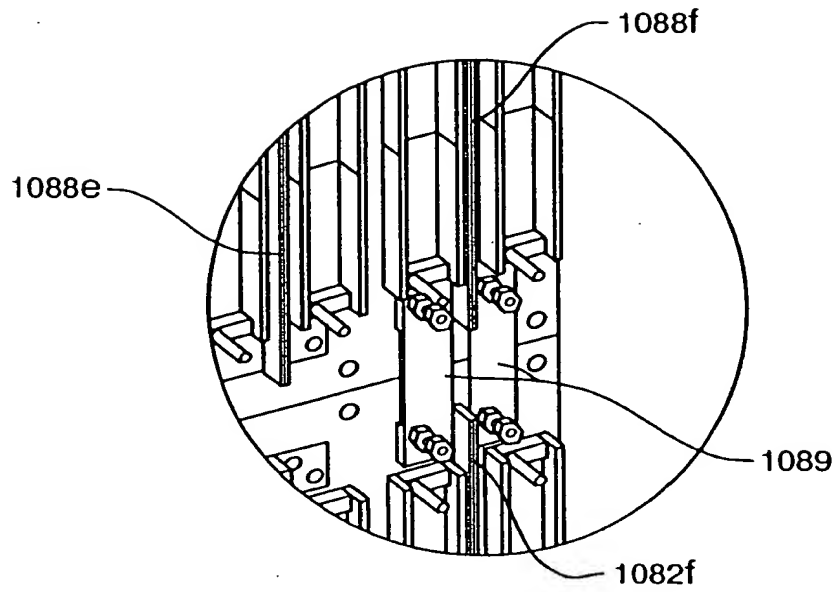


FIG. 73B

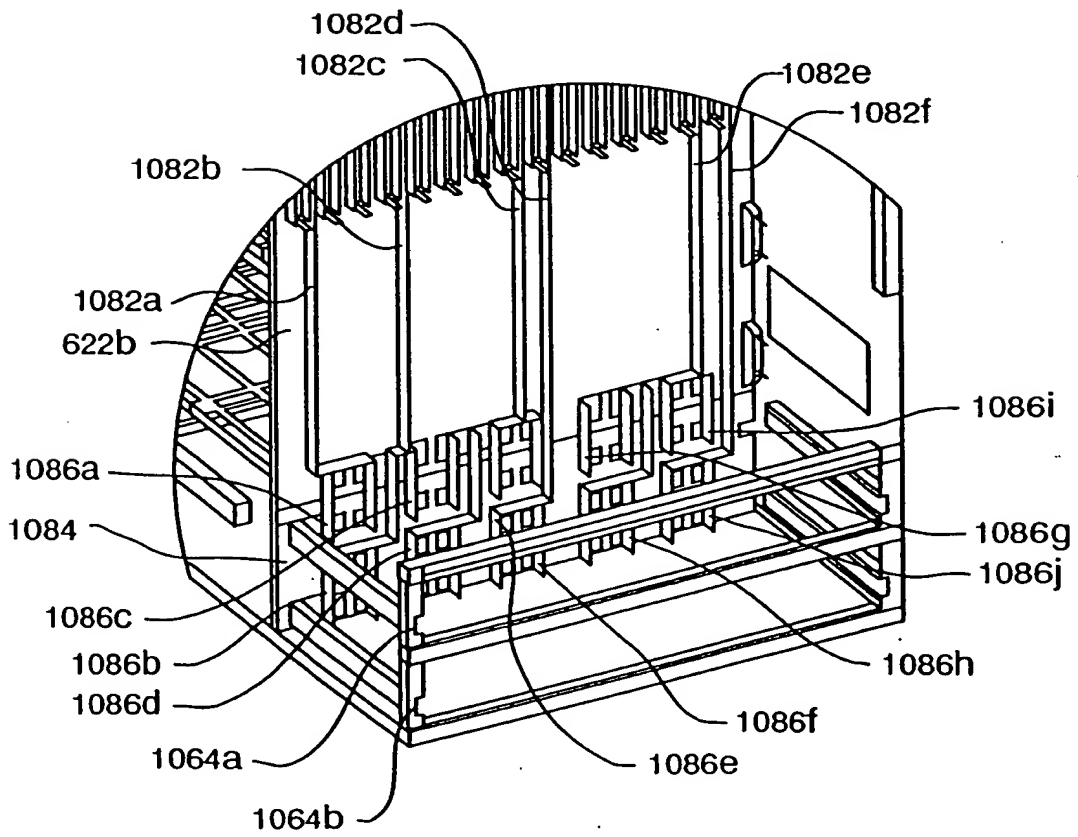


FIG. 73C

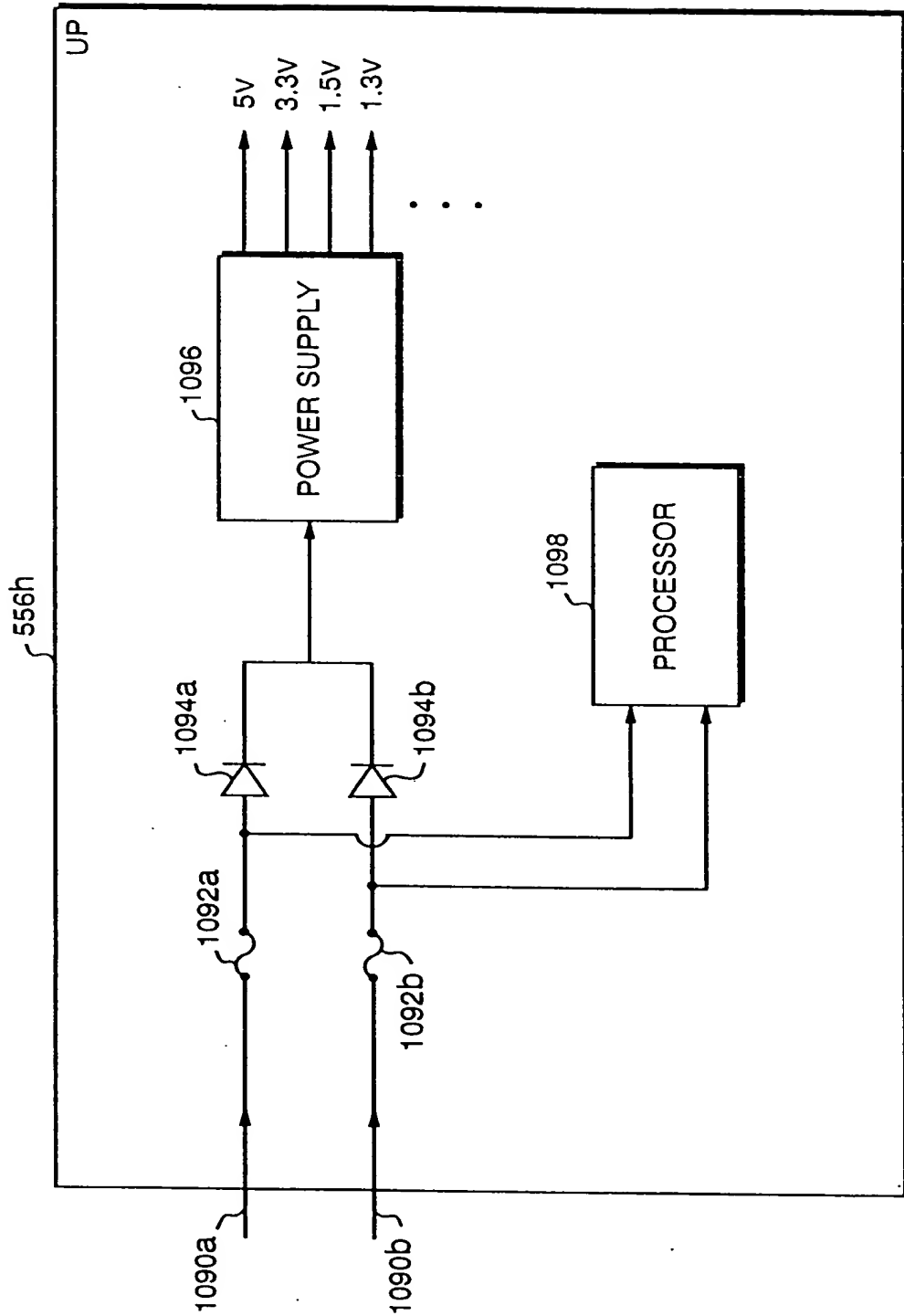
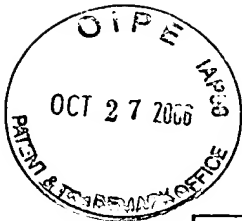


FIG. 74



1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - ATM-Path2_11/4/1
 - test1
 - test2
 - Port 2
 - Port 3
 - Port 4

End Point 1

- Slot 3
- Slot 4
- Slot 5
 - Port 1
 - Port 2
 - ATM-Path1_11/5/2
 - test3
 - ATM-Path2_11/5/2
 - ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e VPI Index

VCI:

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptor...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f VPI Index

VCI:

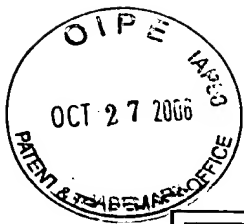
Transmit Traffic Descriptor: VBR-high Add Traffic Descriptors...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

FIG. 75



1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

Slot 4
Port 1
 ATM-Path1_11/4/1
 ATM-Path2_11/4/1
 test1
 test2
Port 2
Port 3
Port 4

End Point 1

Slot 3
Slot 4
Slot 5
Port 1
Port 2
 ATM-Path1_11/5/2
 test3
 ATM-Path2_11/5/2
 ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e VPI/VCI Index

VCI: 1102g

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptor...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f VPI/VCI Index

VCI: 1102h

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptors...

Receive Traffic Descriptor: VBR-high

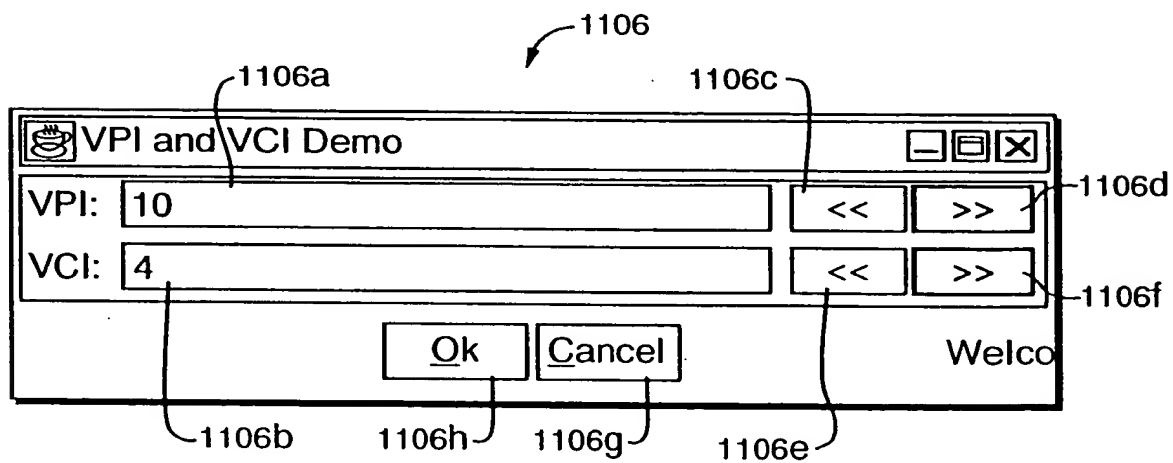
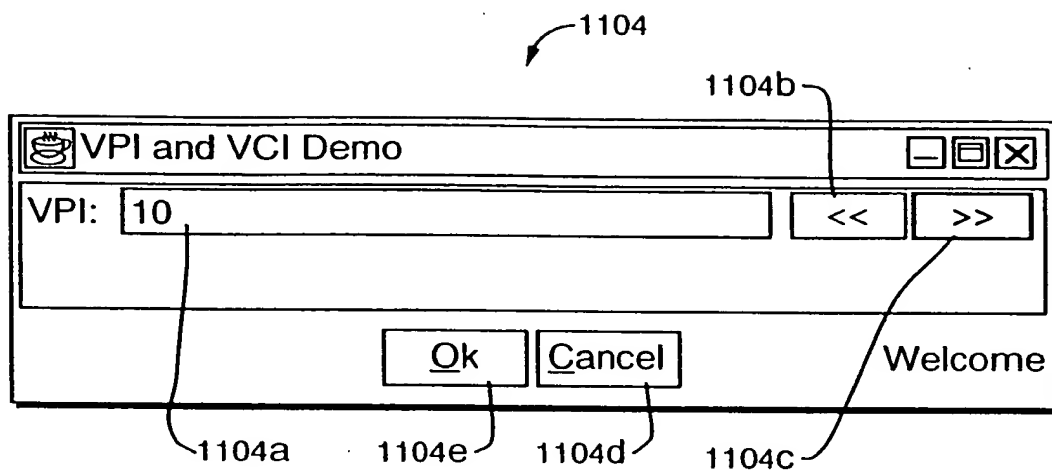
☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

1102c

1102d

FIG. 76





1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - ATM-Path2_11/4/1
 - test2
 - test1
 - Port 2
 - Port 3
 - Port 4

End Point 1

- Slot 3
- Slot 4
- Slot 5
 - Port 1
 - Port 2
 - ATM-Path1_11/5/2
 - test3
 - ATM-Path2_11/5/2
 - ATM-Path3_11/5/2

Connection Parameters

Connection Name:

Admin Status:

Customer Name:

End Point 1 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

FIG. 79

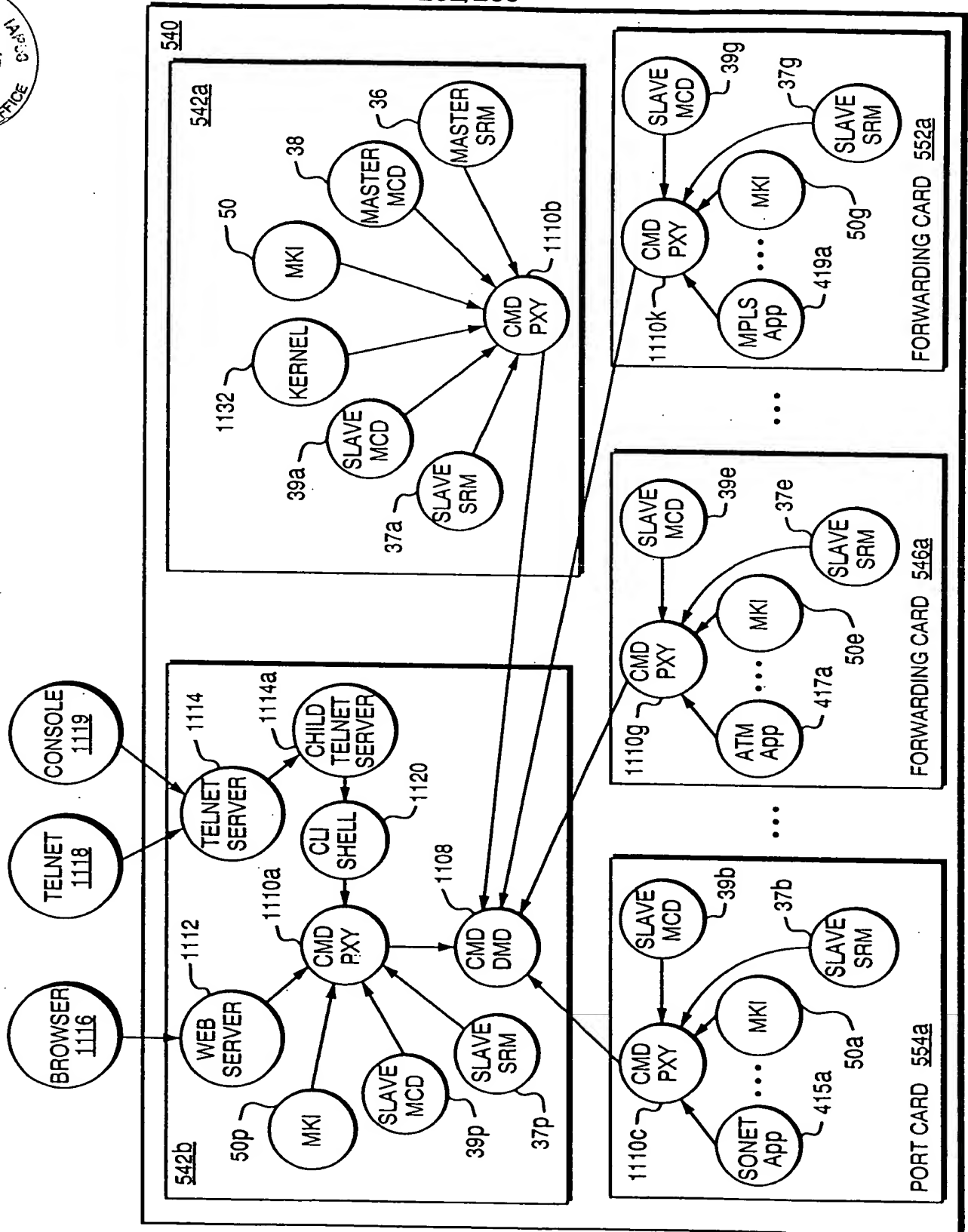
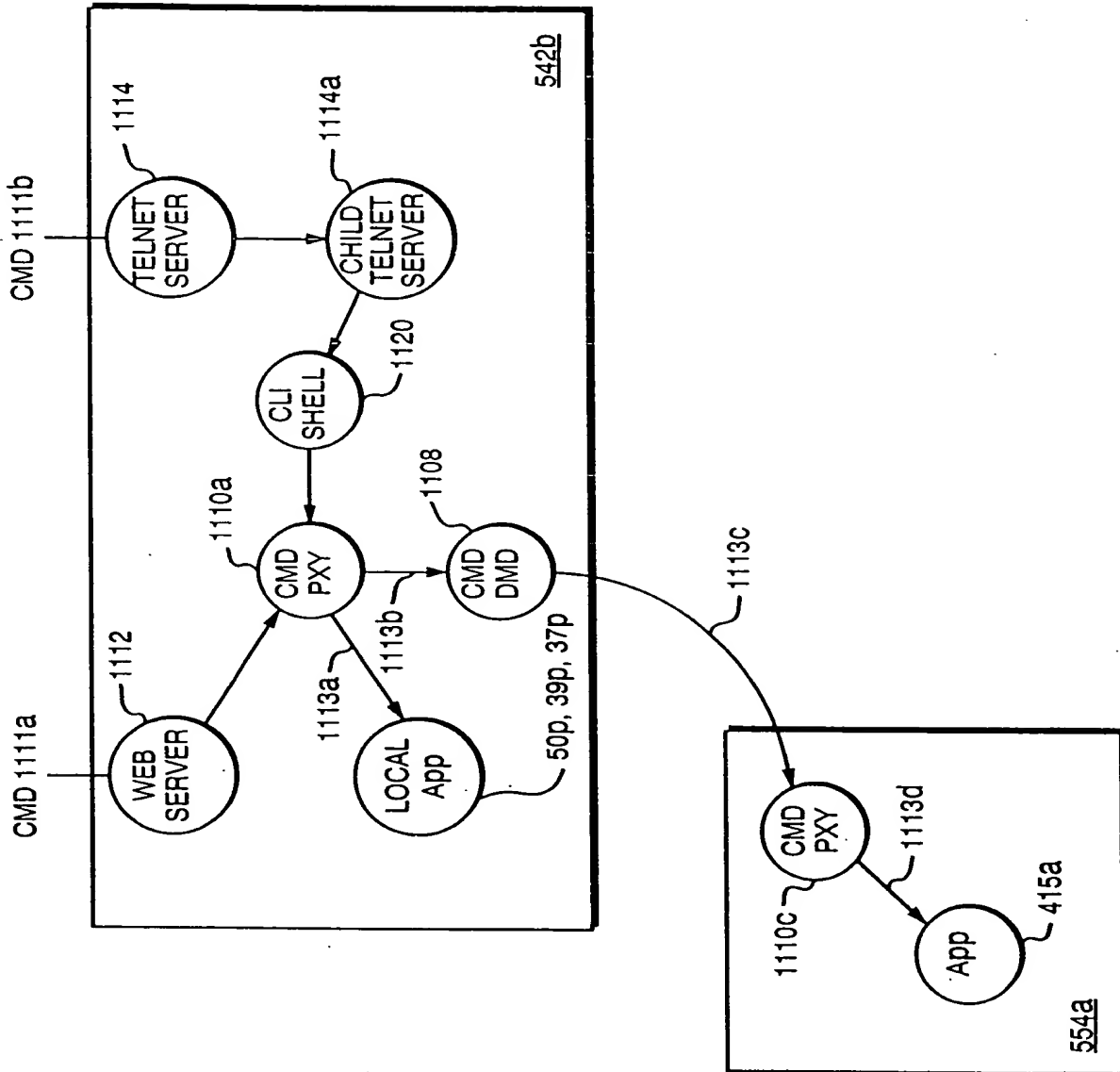


FIG. 80



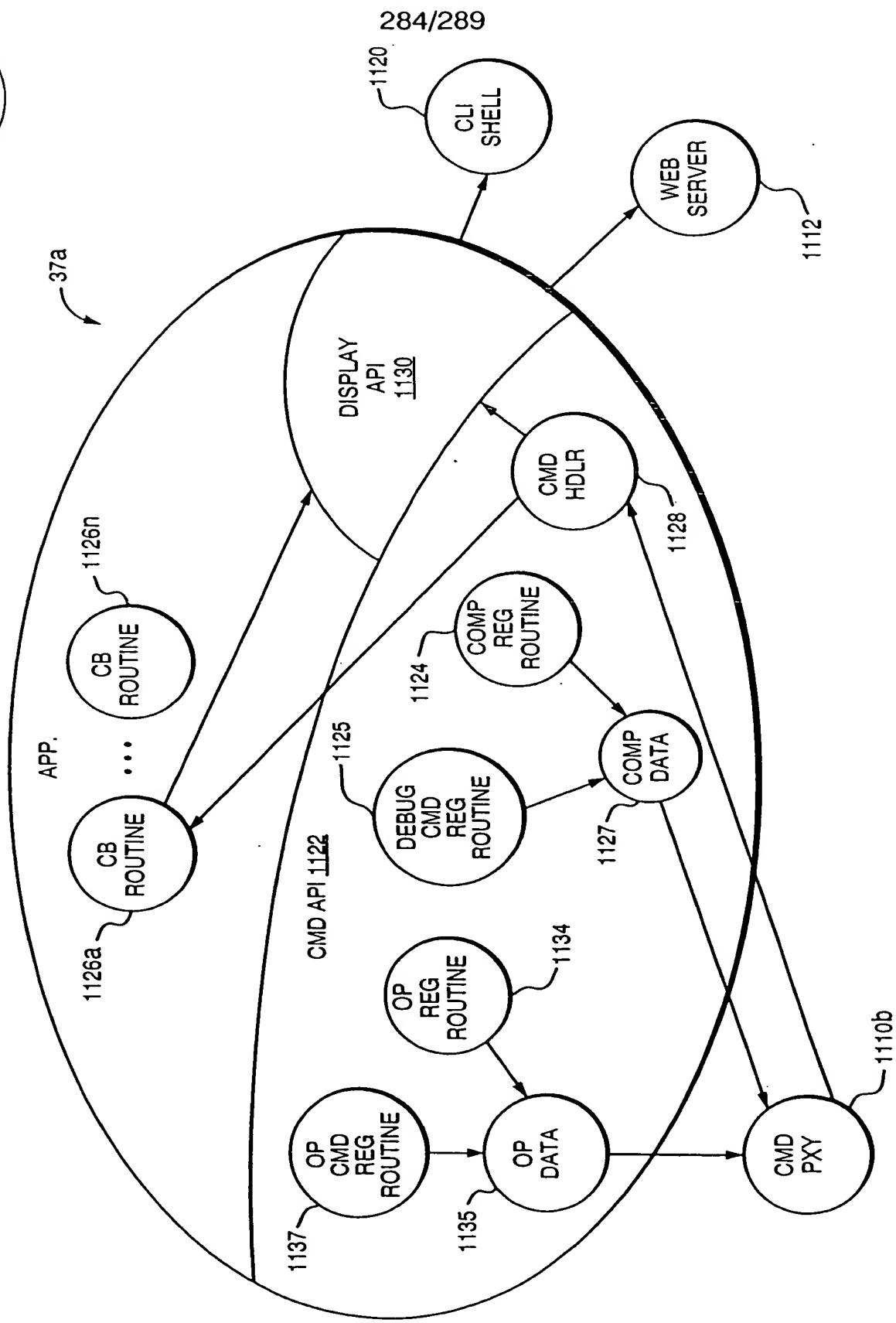


FIG. 82

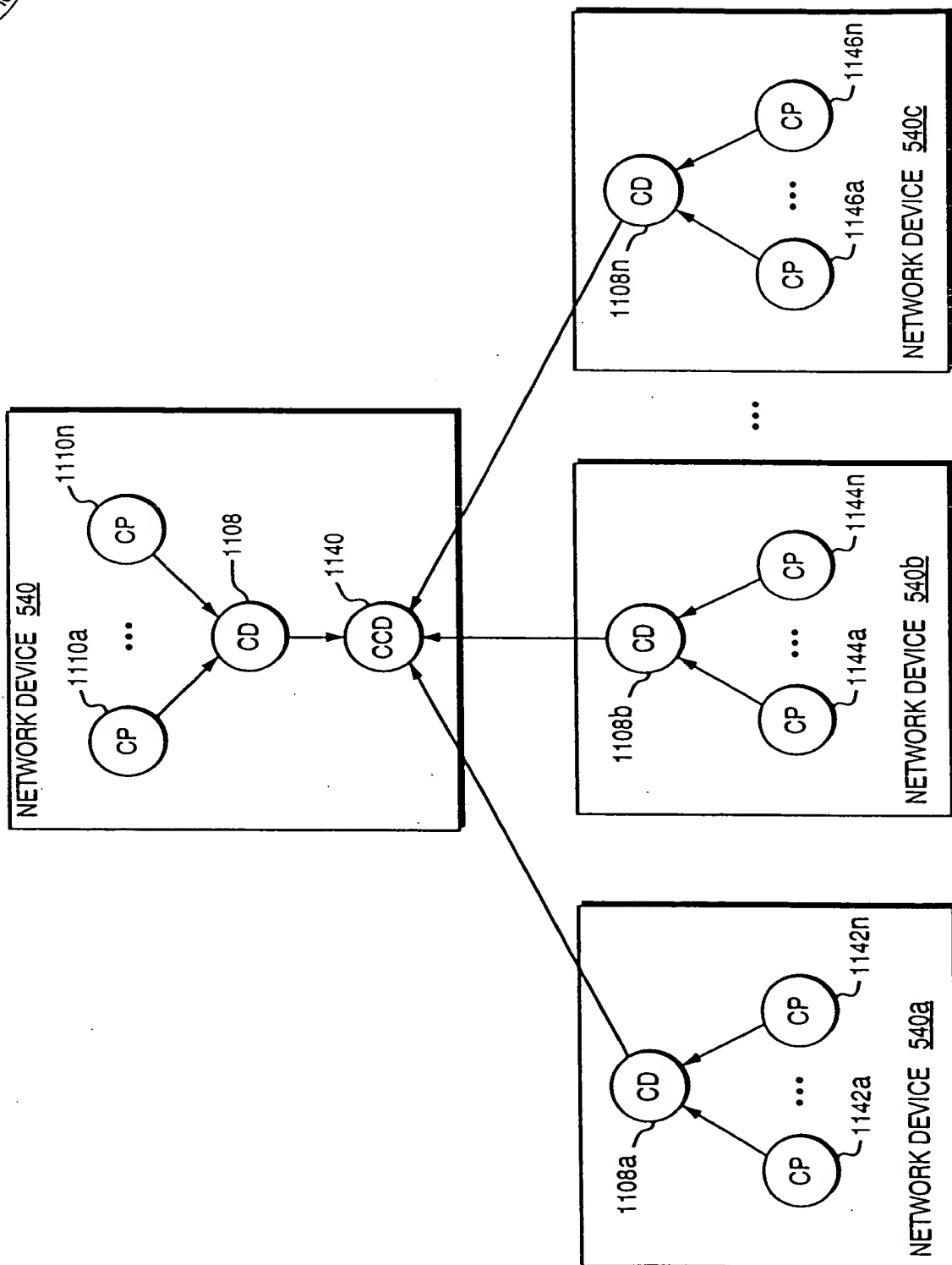


FIG. 83

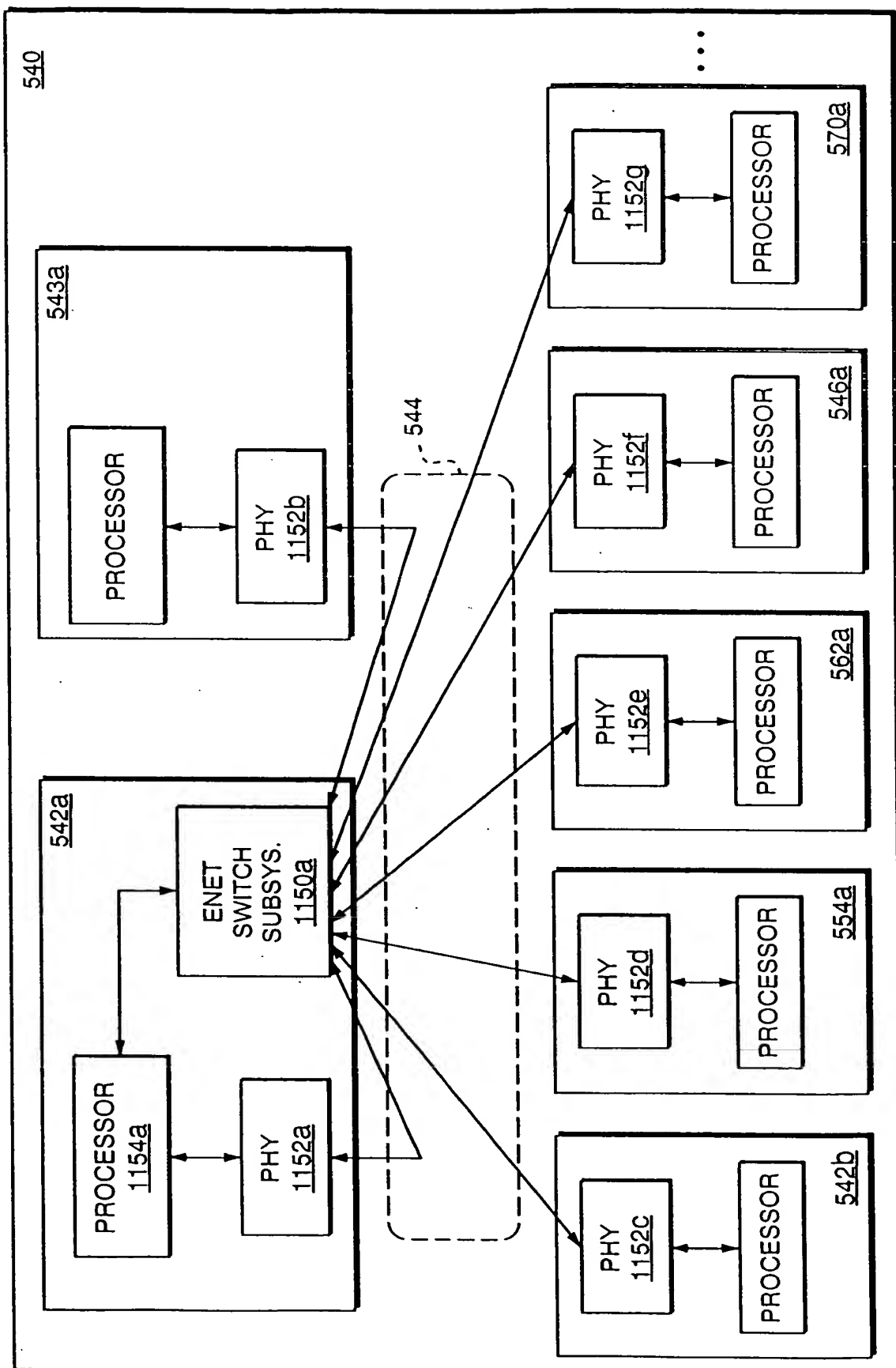


FIG. 84

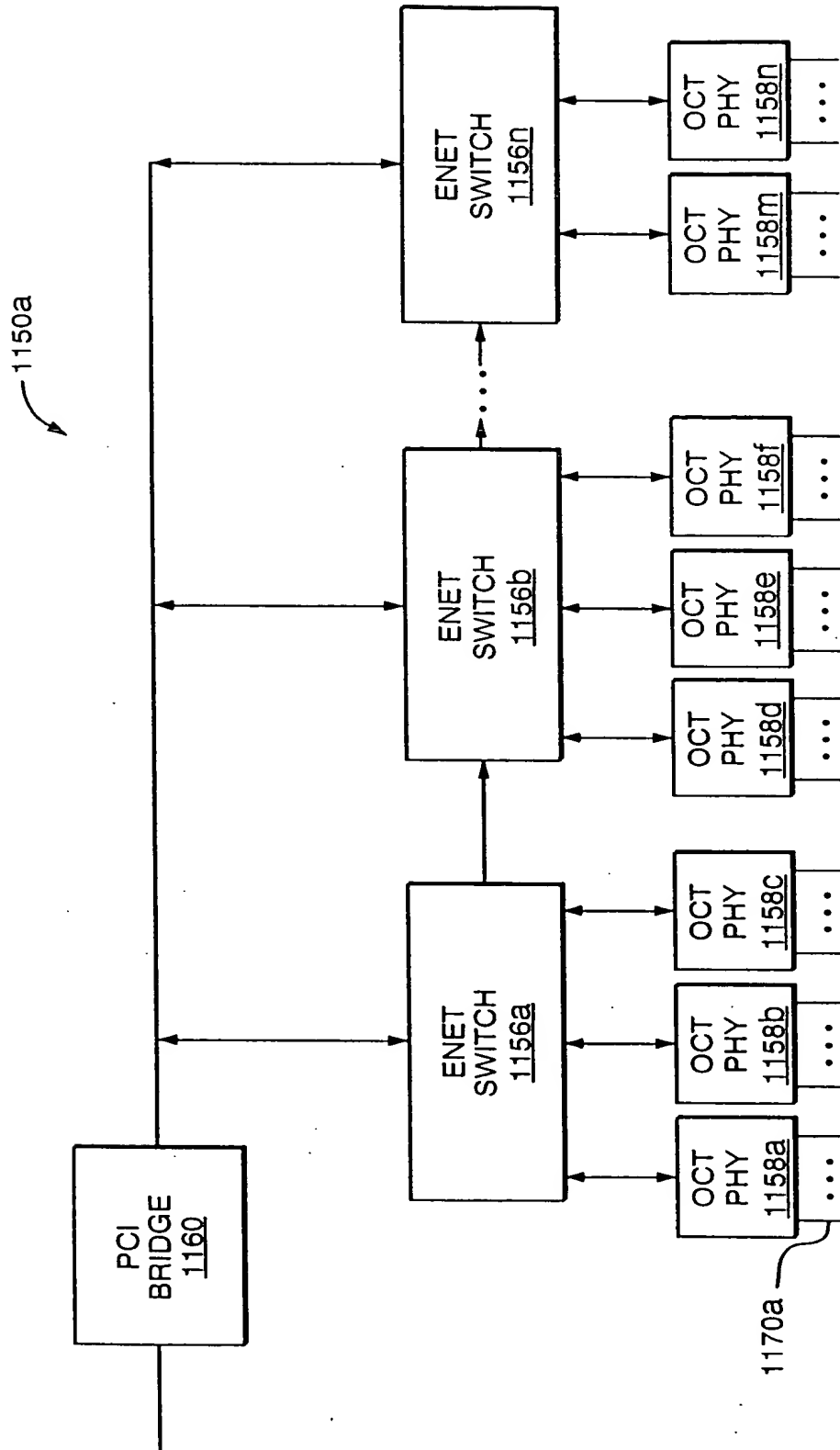


FIG. 85

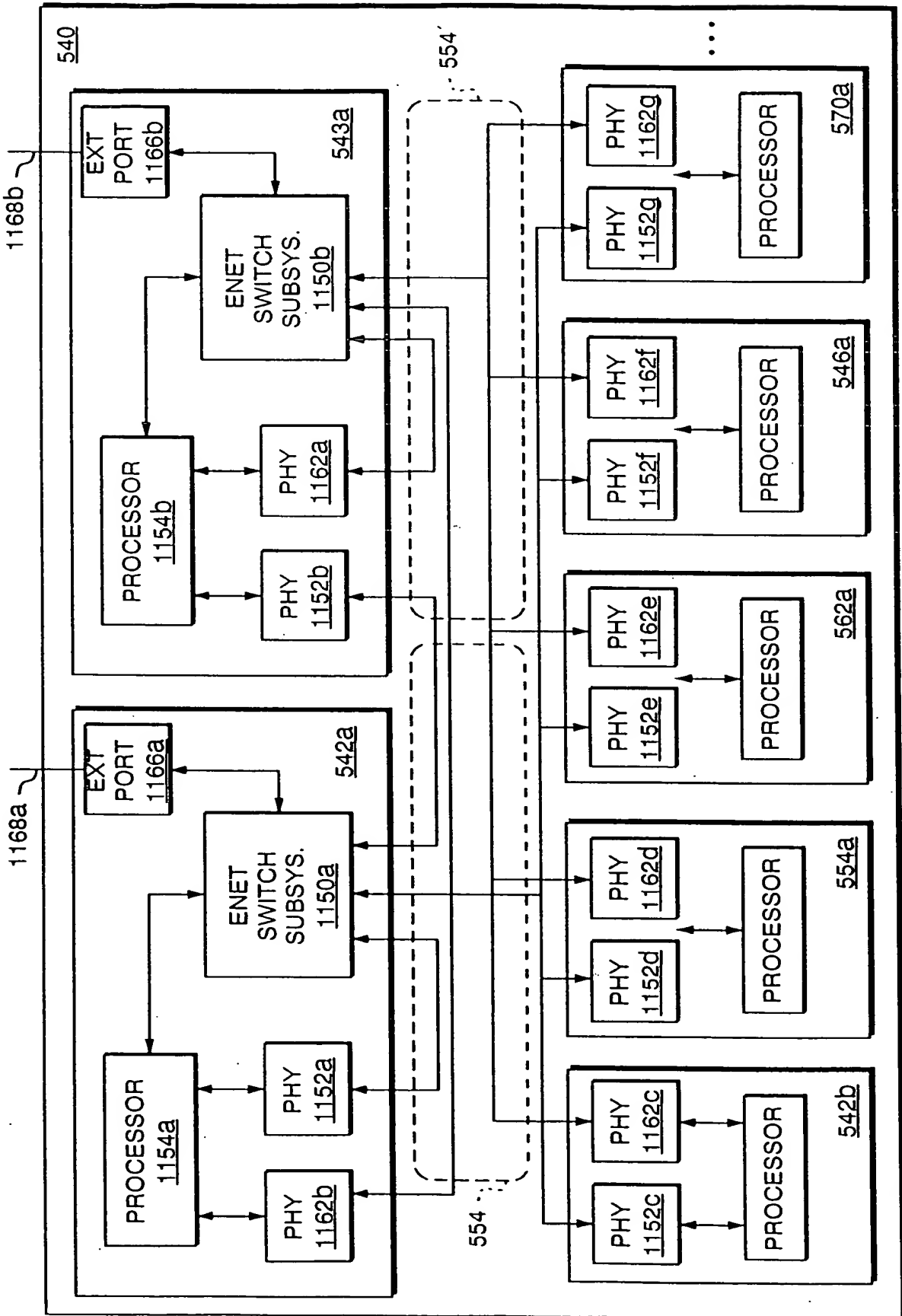


FIG. 86

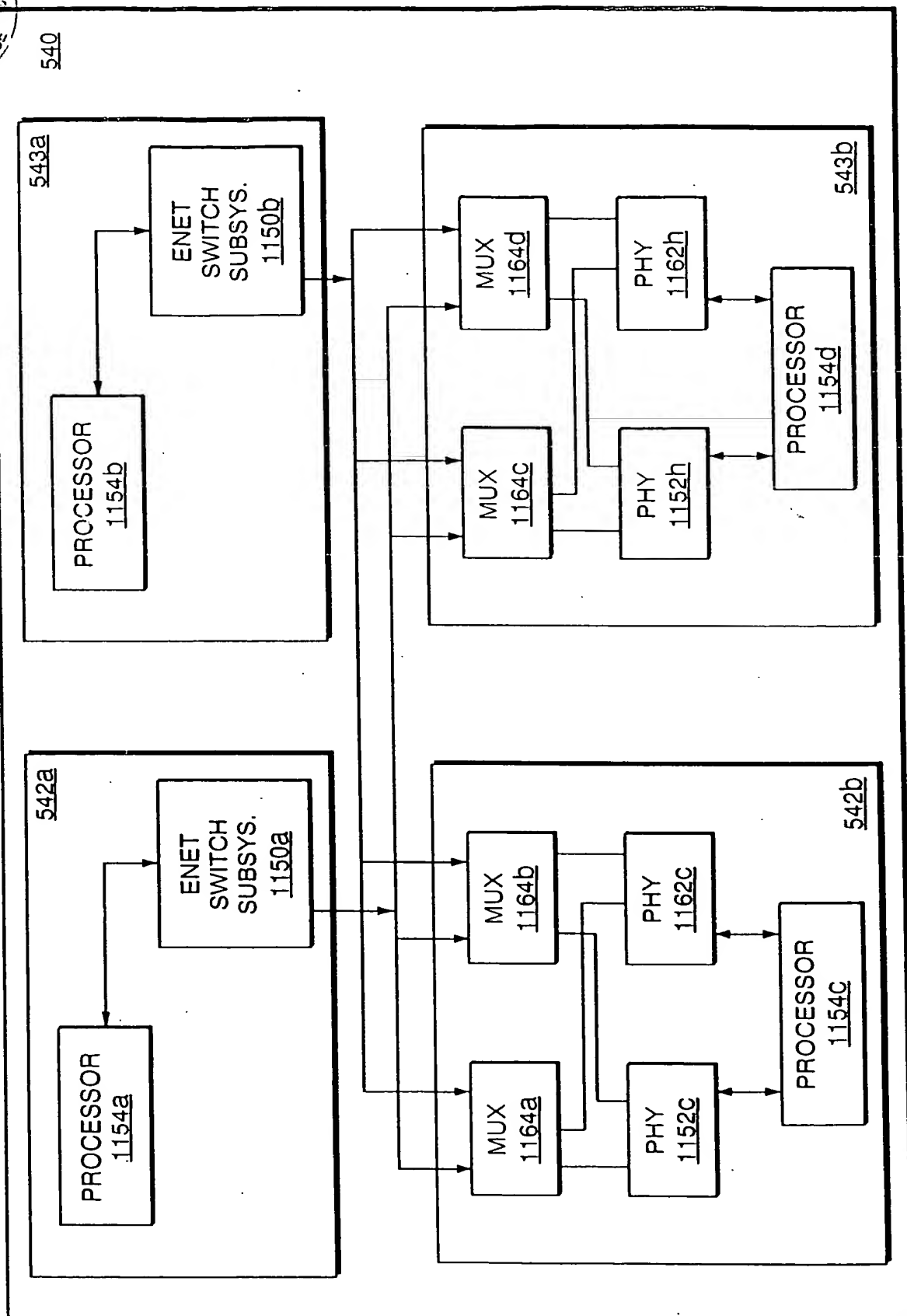


FIG. 87